CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 21	Mayfield, N. Y. Adv. Oct. 12 and 19.	Oct. 12
Oct. 24	Albuquerque, N. M. Adv. Oct. 5 to 19.	Oct. 5
Oct. 24	Ecorse, Mich.	Oct. 19
Oct. 31	Warren, O.	Oct. 19
Nov. 1	Bay Saint Louis, Miss.	Oct. 5
Nov. 1	Marlin, Tex.	Oct 19
Nov. 2	Auburn, Ind.	Oct. 19
Nov. 2	Nokomis, Ill. Adv. Oct. 19.	Oct. 19
Nov. 9	Marshall, Ill.	Oct. 19
Nov. 14	Newport, Ky.	Oct. 5
Nov. 29	San Juan, Porto Rico Adv. Oct. 12 and 19.	Oct. 19
Dec. 1	San Juan, Porto Rico Adv. Oct. 19.	Oct. 19

SEWERS

Oct. 23	Long Island City, N. Y.	Oct. 19
Oct. 23	Dubuque, Ia.	Oct. 19
Oct. 24	Albuquerque, N. M. Adv. Oct. 5 to 19.	Oct. 5
Oct. 24	New York, N. Y.	Oct. 19
Oct. 24	Alfred, Ont.	Oct. 19
Oct. 25	Hamilton, Ont.	Oct. 12
Oct. 25	Fargo, N. D.	Oct. 19
Oct. 30	Dover, N. J.	Oct. 5
Oct. 30	Owosso, Mich. Adv. Oct. 19.	Oct. 19
Oct. 31	Indianapolis, Ind. Adv. Oct. 12 and 19.	Oct. 12
Nov. 2	Tulsa, Okla. Adv. Oct. 12 and 19.	Oct. 12
Nov. 6	Amboy, Minn.	Oct. 19
Nov. 7	Miami, Fla. Adv. Oct. 19.	Oct. 19
Dec. 11	New Orleans, La. Adv. Oct. 12 and 19.	Oct. 12

BRIDGES

Oct. 24	**Dover, N. J.** Adv. Oct. 12 and 19.	Oct. 12
Oct. 25	North Carolina	Oct. 12
Oct. 26	Wyoming	Oct. 19
Oct. 27	Tennessee	Oct. 12
Oct. 27	Belt, Mont.	Oct. 19
Oct. 30	Houston, Tex.	Oct. 5
Oct. 31	**Sydney, Australia**	Jan. 12
Oct. 31	Trenton, N. J. Adv. Oct. 12 and 19.	Oct. 19
Oct. 31	Illinois	Oct. 19
Nov. 1	Georgia	Oct. 19
Nov. 7	Vaudreuil, Que.	Oct. 19
Nov. 7	Vicksburg, Miss. Adv. Oct. 19.	Oct. 19
Nov. 14	Milton, Fla. Adv. Oct. 19.	Oct. 19
Jan. 23	Spokane, Wash.	Sept. 21
Sept. 1, 1923,	Sydney, New South Wales, Australia	Aug. 3

RAILWAYS

Oct. 26	**New York**	Oct. 19

EXCAVATION, DRAINAGE IRRIGATION

Oct. 23	Terre Haute, Ind.	Oct. 12
Oct. 23	Hershey, Neb.	Sept. 28
Oct. 26	Carrollton, Ill. Adv. Oct. 19.	Oct. 19
Oct. 27	Minneapolis, Minn.	Sept. 21
Oct. 30	Tunica, Miss.	Oct. 19
Nov. 1	Greenville, Ky.	Oct. 19
Nov. 2	Cleveland, Miss.	Oct. 19
Nov. 3	Tracy, Calif.	Oct. 19
Nov. 4	**Bolton, N. C.** Adv. Oct. 19.	Oct. 19

STREETS AND ROADS

Oct. 23	Missouri	Oct. 12
Oct. 23	Mound City, Kan.	Oct. 12
Oct. 23	Long Island City, N. Y.	Oct. 19
Oct. 23	Wyoming	Oct. 19
Oct. 23	Montreal, Que.	Oct. 19
Oct. 24	New Jersey Adv. Oct. 12 and 19.	Oct. 12
Oct. 24	St. Louis, Mo.	Sept. 28
Oct. 24	St. Louis, Mo.	Oct. 5
Oct. 24	New York Adv. Oct. 5 to 19.	Oct. 5
Oct. 24	Utah	Oct. 19
Oct. 24	New York, N. Y.	Oct. 19
Oct. 24	Toledo, Ia.	Oct. 19
Oct. 25	North Carolina Adv. Oct. 12 and 19.	Oct. 12
Oct. 25	**Brooklyn, N. Y.**	Oct. 19
Oct. 25	**Utah**	Oct. 19
Oct. 25	**Shelbyville, Tenn.**	Oct. 19
Oct. 25	**Michigan**	Oct. 19
Oct. 26	Baltimore, Md.	Oct. 12
Oct. 26	Tracy, Calif.	Oct. 19
Oct. 26	Ft. Worth, Tex.	Oct. 19
Oct. 26	Augusta, Ga. Adv. Oct. 19.	Oct. 19
Oct. 26	Grand Marais, Minn.	Oct. 19
Oct. 26	Ft. Worth, Tex.	Oct. 19
Oct. 27	Tennessee	Oct. 12
Oct. 27	Long Island City, N. Y.	Oct. 19
Oct. 27	Montana	Oct. 19
Oct. 27	Wash., D. C.	Oct. 19
Oct. 28	West Union, W. Va.	Oct. 19
Oct. 28	San Angelo, Tex.	Oct. 19
Oct. 30	Laurel, Miss. Adv. Oct. 19.	Oct. 19
Oct. 30	Sacramento, Calif.	Oct. 19
Oct. 30	Terre Haute, Ind.	Oct. 19
Oct. 31	Milwaukee, Wis.	Oct. 12
Oct. 31	New York, N. Y. Adv. Oct. 5 to 19.	Oct. 5
Oct. 31	Illinois	Oct. 19
Oct. 31	Maryland Adv. Oct. 19.	Oct. 19
Nov. 1	Rhode Island Adv. Oct. 19.	Oct. 19
Nov. 1	Georgia	Oct. 19
Nov. 2	Hopatcong, N. J. Adv. Oct. 19.	Oct. 19
Nov. 2	Michigan	Oct. 19
Nov. 3	Pennsylvania	Oct. 19
Nov. 4	Quebec	Oct. 19
Nov. 6	Ebensburg, Pa.	Oct. 19
Nov. 7	Marion, Ind.	Oct. 19
Nov. 8	Bridgeton, N. J.	Oct. 19
Nov. 9	Duluth, Minn.	Oct. 19
Nov. 9	Eldorado, Kan.	Oct. 19
Nov. 20	Goderich, Ont.	Oct. 19
Jan. 7	Duluth, Minn.	Sept. 28

INDUSTRIAL WORK

Nov. 1	Vischer Ferry, N. Y. Adv. Oct. 12 and 19.	Oct. 12
Nov. 1	**Phila., Pa.**	Oct. 19
Nov. 9	**Marshall, Ill.**	Oct. 19

BUILDINGS

Oct. 20	Boston, Mass.	Oct. 19
Oct. 23	Greensboro, N. C.	Oct. 12
Oct. 24	Morganton, N. C.	Oct. 19
Oct. 25	Buffalo, N. Y. Adv. Oct. 19.	Oct. 19
Oct. 26	Evansville, Ind	Oct. 5
Oct. 26	Dubuque, Ia.	Oct. 19
Oct. 27	Laporte, Ind.	Oct. 19
Oct. 31	**Creedmoor (Jamaica P. O.), N. Y.** Adv. Sept. 28 to Oct. 19.	Sept. 28
Oct. 31	Baltimore, Md.	Oct. 12
Nov. 1	Centerville, O.	Oct. 12
Nov. 1	Plant City, Fla.	Oct. 5
Nov. 1	Duluth, Minn.	Oct. 5
Nov. 1	Irvington, N. J. Adv. Oct. 5 to 19.	Oct. 12
Nov. 4	Patchogue, N. Y.	Oct. 19
Nov. 4	Carrick (Pittsburgh P. O.), Pa.	Oct. 19
Nov. 6	Detroit, Mich.	Oct. 19
Nov. 6	Cleveland, O.	Oct. 19
Nov. 7	Rapid City, S. D.	Oct. 19
Nov. 8	St. Louis, Mo.	Oct. 19
Nov. 15	Ocean City, N. J.	Oct. 5
Nov. 15	Beaumont, Tex.	Oct. 19
Nov. 18	Portland, Ore.	Oct. 19

FEDERAL GOVERNMENT WORK

Oct. 23	Dredging — Providence, R. I. Adv. Sept. 28 to Oct. 19.	Sept. 28
Oct. 23	**Dump Scows — Nashville, Tenn.**	Sept. 21
Oct. 24	Pier Removal, etc. — Chicago, Ill. Adv. Sept. 28 to Oct. 19.	Sept. 28
Oct. 24	Laboratory—Wash., D. C.	Oct. 12
Oct. 25	Dredging — Puget Sound, Wash.	Oct. 5
Oct. 26	Extension—Adrian, Mich.	Oct. 12
Oct. 27	**Extension to Workroom, etc. —Rochester, Minn.**	Oct. 5
Oct. 30	**Superstructure — Buffalo, N. Y.** Adv. Oct. 5 to 19.	Oct. 5
Oct. 30	**Dredging—Providence, R. I.** Adv. Oct. 5 to 19.	Oct. 5
Oct. 30	**Alterations, etc.—Richmond, Va.**	Oct. 5
Oct. 31	Dredging—Honolulu, H. T.	Aug. 31
Oct. 31	Road—Nevada	Oct. 19
Nov. 1	Laundry — New York, N. Y. Adv. Oct. 12 and 19.	Oct. 12
Nov. 1	Alterations, etc. — Fitzsimons, Colo. Adv. Oct. 12.	Oct. 12
Nov. 1	Deferrization Plant, etc.— Annapolis, Md.	Oct. 19
Nov. 1	Standpipe, etc. — Yorktown, Va.	Oct. 19
Nov. 6	Pier, etc. — Milwaukee, Wis. Adv. Oct. 12 and 19.	Oct. 12
Nov. 6	Breakwater—Chicago, Ill. Adv. Oct. 12 and 19.	Oct. 12
Nov. 6	Dump Scows — Buffalo, N. Y. Adv. Oct. 12 and 19.	Oct. 12
Nov. 6	Extension—Fargo, N. D.	Oct. 19
Nov. 7	Extension, etc.—San Jose, Calif. Adv. Oct. 19.	Oct. 19
Nov. 8	Gas Tank, etc.—Chollas Heights, Calif.	Oct. 19
Nov. 14	Hospital—Chillicothe, O.	Oct. 12
Nov. 15	Radial Brick Stack—Tupper Lake, N. Y. Adv. Oct. 19.	Oct. 19
Nov. 15	Mechanical Equipment, etc. —Tupper Lake, N. Y. Adv. Oct. 19.	Oct. 19
Nov. 15	Water Tank—Tupper Lake, N. Y. Adv. Oct. 19.	Oct. 19
Nov. 15	Equipment, etc. — Tupper Lake, N. Y. Adv. Oct. 19.	Oct. 19
Nov. 15	Equipment — Tupper Lake, N. Y.	Oct. 19
Dec. 6	Pumping Units — Boise, Idaho Adv. Oct. 19.	Oct. 19

MISCELLANEOUS

Oct. 23	Dock System—Jacksonville, Fla.	Oct. 19
Oct. 23	Heating Plant — Winton, N. C.	Oct. 19
Oct. 23	Concrete Pipe — Delhi, Calif.	Oct. 19
Oct. 24	High School Equipment— Wash., D. C.	Oct. 12
Oct. 24	Trenching Machine — Memphis, Tenn. Adv. Oct. 19.	Oct. 19
Oct. 24	Stone—Cape May, N. J. Adv. Oct. 19.	Oct. 19
Oct. 25	Rip Rap, etc. — New York, N. Y.	Oct. 19
Oct. 26	Wire Mesh Fences—New York, N. Y.	Oct. 19
Oct. 26	Lumber—New Orleans, La.	Oct. 19
Oct. 30	High School Equipment— Wash., D. C.	Oct. 12
Oct. 30	Stone—Olympia, Wash.	Oct. 19
Oct. 31	Steam Pumps — Atlanta, Ga.	Oct. 5
Nov. 4	Transformers, etc. — Melbourne, Australia	Aug. 17
Nov. 9	Structural and Tank Steel— New Orleans, La. Adv. Oct. 19.	Oct. 19
Nov. 13	High School Equipment— Wash., D. C.	Oct. 12
Nov. 16	Hoist and Trailers — San Jose, Calif.	Oct. 19
Nov. 21	High School Equipment— Wash., D. C.	Oct. 12
Dec. 18	Coal Handling Plant — Melbourne, Victoria, Australia	Sept. 21

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Wilmington — See "Streets and Roads."

Ill., Altamont—Making plans 5,280 ft. 6 in. and 21,120 ft., 4 in. c.i. mains, also 45 c.i. hydrants. $50,000. W. A. Fuller Co., 1917 Ry. Exch., St. Louis, Mo., engrs.

Ill., Elmwood Park (Chicago P. O.)—Takes bids about Feb. 1 for waterworks. $500,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Western Springs—Takes bids about Jan. 11 for waterworks. $35,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

O., Bedford—See "Streets and Roads."

O., Cleveland—Plans reservoir, administration building, power plant, chemical, gate and pressure houses, at Baldwin site. $4,500,000. A. V. Ruggles, City Hall, engr.

O., Dayton—Plans to install new tanks and machinery for cooking and drying garbage in garbage reduction plant. $30,000. I. E. Houk, city engr.

O., Fairview—Nov. 7 to vote on $70,000 bonds c.i. mains in various sections. F. Lander, Blackstone Bldg., Cleveland, engr.

Wyo., Evansville—Evansville Water Co. plans complete water and sewerage system. $20,000. All material, including pipe, meters, etc., has been purchased. Engineer not announced.

Mo., St. Louis—Bd. Pub. Serv., City Hall, rejected bid opened Oct. 3, furnishing and delivering 2,387 ton 6-36 in. coated c.i. pipe. Will probably readvertise. Noted Oct. 12.

Tex., Panhandle — Attorney Generals Dept., Austin, approved $54,000 bond issue for extensive waterworks improvements and extensions. Address Mayor.

Tex., Santa Anna — Attorney Generals Dept., Austin, approved $25,000 bond issue for waterworks improvements. Address Mayor.

Tex., Texline—Attorney General's Dept., Austin, approved $25,000 bond issue for waterworks improvements. Address Mayor.

Idaho, Lewiston—Plans election to vote $150,000 bonds for complete waterworks. J. R. Turnbull, clk.

Wash., Everett—Election Nov. 7 to vote on $350,000 bonds constructing water storage reservoir, capacity 20,000,000 gal. R. B. Cutler, city engr. Noted Aug. 24.

Calif., Inglewood—Voted $157,000 bonds for new waterworks equipment and extension to lines. R. A. Cory, clk.

BIDS DESIRED

Miss., Tunica — Oct. 30, by McKinney Lake D. D. of Tunica Co., Contr. 1, 580,000 cu.yd. floating dredge excav., Contr. 2, 411,400 cu.yd. floating dredge excav., 38 acres Class B clearing, Contr 3, 197,250 cu.yd. dry land work excav.; Contr. 4, 214,000 cu.yd. dry land work excav.; Contr. 5, 167,000 cu.yd. dry land work excav.

O., Warren—Oct. 31, by Director Pub. Serv., 6 in. c.i. mains in 1,006 ft. Peerless Ave., 1,000 ft. Choctaw Ave., 515 ft. Pawnee Ave., 770 ft. Viola Ave., 550 ft Idlewild Ave., 500 ft. Arlington Ave., 1,020 ft. West Ave., 1,420 ft. River Ave., 1,250 ft. Watson Ave., 1,100 ft. Atkins Ave., 920 ft. Francis Ave., 700 ft. Edgewood Ave., 200 ft. East Atlantic St. extension, 1,100 ft. Quinby Ave., 1,050 ft. Delaware Ave., 1,100 ft. South Homewood Ave., 1,400 ft. South Main St., 1,300 ft. Albert St., 1,020 ft. McKinley Ave., 300 ft. West Oak St., 472 ft. Kinsman St.; 8 in. c.i. mains in 1,050 ft. South Park Ave. and 650 ft. Griswold Ave. W. S. Harvey, city engr. Noted Sept. 21.

Ind., Auburn—Nov. 2, by G. Potter, city clk., for purchase, installation and complete construction of machinery and general equipment for improvement of waterworks, electric light and power plant.

Mich., Ecorse—Oct. 24, by M. L. Brown & Son, engrs., 407 Capitol Bldg., Detroit, 11,000 ft. 4, 6 and 8 in. c.i. pipe, incl. valves, hydrants, etc. $75,000. Former bids rejected. Noted Oct. 5.

Ill., Nokomis—Nov. 2, by City Council, material and labor for 4 wells, 4,300 ft. 8 in. Class B c.i. mains, etc. Taylor & Woltmann, 428 Unity Bldg., Bloomington, engrs.; adv. this issue.

Tex., Marlin—Nov. 1, furnishing f.o.b. 562.5 ton coated 12 in. c.i. water pipe to conform with specifications adopted by American Waterworks Assn. in May, 1908, and to be of bell and spigot pattern, 13,703 lin.ft. of 12 in. bell and spigot pattern, Class B pipe, in 12 ft. lengths. Address Mayor or City Engineer.

Porto Rico, San Juan—Nov. 29, at office M. Travieso, comr. pub. service, 10,500,000 gal. filtration plant and 10,500,800 gal. filtered water concrete reservoir; adv. this issue.

Porto Rico, San Juan—Dec. 1 (change of date), at office M. Travieso, comr. pub. service, c.i. pipe and castings; adv. this issue.

CONTRACTS AWARDED

N. C., Greensboro—Filter plant for Reedy Fork waterworks development, to Pittsburg-Des Moines Steel Co., Richmond, Va., (street address not available) $107,016. Noted Sept. 14.

Fla., Haines City — Waterworks and sanitary sewerage systems, to J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., $60,500. Noted Sept. 7.

O., Cleveland—Cuyahoga Co. 18,460 lin. ft. 610 in. c.i. mains in Impvt. 16 of Co. Water Dist. at Parma, to T. P. Egan, Caxton Bldg., $78,853. Noted Oct. 5.

Minn., St. Paul—High service rein.-con. reservoir for new waterworks plant, 18,000,000 gal. capacity, inside dimensions 306 x 414 ft., 20 ft. deep, groined arch floor and flat slab roof, rein.-con. retaining walls, 14,000 cu.yd. concrete and 600 ton steel. $200,000. Work will be done by day labor. J. W. Kelsey, Supt. Water Dept.

Ore., Grants Pass—Grants Pass Irrigation Dist., 2 pumping plants, to De Laval Steam Turbine Co., L. C. Smith Bldg., Seattle, Wash., $7,570. Engrs. est. $8,000. Noted Set. 28.

Ont., Alvinston—Installing new electrically operated waterworks pumps, to Goldie & McCulloch, Galt. Engrs. est. $250,000.

Sewers

PROPOSED WORK

Conn., Hartford—Plans to extend interceptor sewerage system in Blue Hills Ave. $34,000. Cty Eng. Dept., c/o Public Wks. Bd., engrs.

Pa., Ambridge—Plans sewage disposal plant on Ohio River. To exceed $25,000.

Pa., Midland—Plans 1,860 ft. 48 in. sanitary sewer extension. $40,000. J. P. Stone, boro. secy. Engineer not announced.

W. Va., Bluefield—Having plans prepared sewerage system. M. Knowles, Inc., Jones Law Bldg., Pittsburgh, Pa., engrs.

Fla., St. Petersburg—Plans constructing sanitary sewerage system, $90,000; replacing sewers $45,000. C. C. Brown, acting dir. pub. wks.

O., Bedford—See "Streets and Roads."

O., Cleveland—Plans storm relief sewer in East 65th St. from Euclid to Central Aves. $125,000. R. Hoffman, City Hall, engr.

O., Westerville—Soon takes bids sewage treatment plant. $50,000. E. G. Bradbury, 406½ South High St., Columbus, and Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

Mich., Detroit—Plans prepared 2,034 ft. Lateral 3737, Coplin St. Sewer in vicinity of Mack Ave., incl. 349 ft. 18 in., 756 ft. 15 in., 928 ft. 12 in. vitr. crock pipe, 1,916 ft. Lateral 3656 between Greenlawn and Elmhurst Aves., 860 ft. 8 in., 360 ft. 15 in., 696 ft. 12 in. vitr. crock pipe, Lateral 3753 between Devine and Knodell Aves., 360 ft. 12 in. vitr. crock pipe, also 2,629 ft. Southern Ave. Arm of Lonyo Rd. Sewer in Southern Ave. from Lonyo Rd. to city limits, 935 ft. 4 ft. 6 in., 1,035 ft. 4 ft., 593 ft. 3 ft. cylinder and 66 ft. 23 in. crock, 2,037 ft. Lawton Ave. Arm of Morrell St. Sewer in Lawton and Lathrop Aves. from Northwestern to LaSalle Sts., 1,168 ft. 5 ft. 6 in., 869 ft. 4 ft. 9 in. cylinder, brick vitr. crock, segment block or monolithic concrete. J. W. Reid, city engr.

Mich., Springwells—Had plans prepared 1,221 ft. Barclay Ave. trunk sewer extension, Sect. 16, concrete, 14 x 18 ft. arch sect.; 760 ft. Sect. 17 in Maple Rd., 36 and 42 in. brick; 2,263 ft. Sect. 18, in Dix Ave., 18 and 24 in. vitr. crock, 2,596 ft. Sect. 19 in Eagle and Ford Aves., 12 and 18 in. vitr. crock. A. Roth, 2348 Penobscot Bldg., Detroit, engr. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, consult. engr.

Ill., Brookfield—Takes bids about Dec. 1 for mains. $55,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Elmhurst—Takes bids about Feb. 1, sewerage system and disposal plant. $150,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Elmwood Park (Chicago P. O.)—Takes bids about Dec. 1 sewerage system. $600,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Feb. 2.

Ill., Villa Park—Making plans sewerage system. $150,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Western Springs—Making plans and receives bids in about 90 days sewerage system. $40,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Minn., St. Paul—Nov. 7 to vote on $100,000 bond issue for trunk sewers. O. Claussen, city engr.

S. D., Yankton—Plans 19,577 lin. ft. of 12-18 in. pipe in 3rd Sewer Dist. $25,000. C. H. Conrick, city engr.

Wyo., Evansville—See "Waterworks."

Wash., Pullman—Plans sewer improvements throughout town. $50,000. Engineer not selected.

Calif., Madera — Having revised plans prepared sewage disposal plant. $39,600. F. Nikirk, Madera, engr.

Calif., San Francisco—City and San Francisco Co. having plans prepared rein.-con. sewers in Army St. from present termination at Kansas and Marin Sts. to Islais Creek Channel. To exceed $100,000. M. M. O'Shaughnessy, city engr.

Calif., Turlock — Having plans prepared 12,750 lin.ft. 24 in. concrete pipe, 1 regulating gate chamber, 10,000 cu.yd. excav., etc. H. Hall, city engr.

BIDS DESIRED

N. Y., Long Island City—Oct. 23, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., repairing outlet flume from Jamaica sewage disposal plant to creek flowing into Jamaica Bay; sewer in 137th and 25th Sts.

N. Y., New York—Oct. 24, by H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., sewers in Waterbury Ave. between East Tremont and Puritan Aves., also in Odell and Laconia Sts., etc.

Fla., Miami—Nov. 7, furnishing 1 motor driven sewage screen, 2 motor driven centrifugal pumps, 2,400 ft. 16 in. c.i. pipe. F. H. Wharton, city mgr.; adv. this issue.

Mich., Owosso—Oct. 30, by B. K. Lucas, city clk., combination main drain and main house sewer. Hoad, Decker, Shoecraft & Drury, 302 South State St. Ann Arbor, consult. engrs.; adv. this issue.

Ia., Dubuque—Oct. 23 for 6,285 lin.ft. 24-66 in. sanitary sewers in Dist. 1, and 2,860 lin.ft. 24-27 in. Dist. 2. W. Cullen, city engr.

Minn., Amboy—Nov. 6, sanitary sewerage system and disposal plant. 14,200 lin.ft. 8-12 in. vitr. tile sewer, 40 manholes, one Imhoff tank, sludge bed and outlet. $25,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

N. D., Fargo—Oct. 25, reconstructing 48 in. circular brick trunk sewer in 2nd Ave. S., between 4th St. and Red River. Job 2204. Dist. 3. $25,000. A. R. Watkins, city aud.

Que., Montreal—See 'Streets and Roads."

Ont., Alfred—Oct. 24, by J. H Methot, R.R. 2, Vankleek Hill, 23,370 ft. O'Brian Drain and branches in Caledonia and Alfred Twps. W. H. Magwood, Cornwall, ch. engr.

BIDS RECEIVED

N. Y., Brooklyn — E. Riegelman, boro pres., Boro Hall, opened bids Oct. 11, sewers in Gravesend Ave., from J. F. Cogan, 17th Ave. and 60th St., $417,000; Necaro Co., 97 Court St., $428,000; Marino Paino Co., $431,000. Noted Oct. 5.

Fla., Jacksonville — Laying sewers (1) Adams St. from Myrtle Ave. 300 ft. west, (a) 300 ft. 10 in. terra cotta pipe on concrete base, (2) Liberty St. from 20th to 21st Sts., 21st St. from Liberty to Terrace Ave., Terrace Ave. from 21st to 22nd Sts., (b) 830 ft. 8 in. terra cotta pipe on concrete base, (3) 15th St. from Hubbard to Walnut Sts., (c) 800 ft. 9 in. terra cotta pipe on concrete base, (d) 172 ft. 8 in. c.i. pipe, (e) 486 ft. 6 in. c.i. pipe, (4) Cedar St. from Adams to Monroe Sts., Monroe St. from Cedar to Hogan Sts., and Julia St. from Monroe to Duval Sts., (f) 250 ft. 36 in. rein.-con. pipe (g) 740 ft. 30 in. rein.-con. pipe (h) 270 ft. 24 in. rein.-con. pipe (i) 1,260 ft. 4 in. sub.-drain tile, (5) 6th St. from Main to Ionia Sts., (j) 980 ft. 24 in. rein.-con. pipe (k) 480 ft. 21 in. rein.-con. pipe (l) 923 ft. 18 in. rein.-con. pipe, (m) 295 ft. 15 in. rein.-con. pipe (n) 2,680 ft. 4 in. sub-drain tile, etc., from Adams-Evans & Co., Atlantic Bank Bldg., (1a) $2.50 (2b) $1.50 (3c)

Sewers (Continued)

$1.75 (3d) $0.50 (3e) $0.40 (4f) $3.50 (4g) $2.65 (4h) $2 (4i) $0.22 (5j) $2.25 (5k) $1.90 (5l) $1.65 (5m) $1.25 (5n) $0.22, total $13,989; Bryan & Co., Phelps St., (1a) $3.50, (2b) $2.50 (3c) $2.50 (3d) $0.75 (3e) $0.70 (4f) $7.50 (4g) $5.50 (4h) $3.75 (4i) $0.25 (5j) $3.50 (5k) $3.25 (5l) $2.60 (5m) $2.50 (5n) $0.30, total $23,298; I. C. Mishler, West Palm Beach, (1a) (1a) $3.33 (2b) $2.45 (3c) $2.45 (3d) $0.95 (3e) $0.85 (4f) $7.95 (4g) $6.95 (4h) $4.45 (4i) $0.35 (5j) $3.85 (5k) $3.45 (5l) $2.95 (5m) $2.55 (5n) $0.35, total $25,784. Noted Aug. 31.

CONTRACTS AWARDED

N. Y., Sag Harbor—See "Streets and Roads."

Pa., Altoona—S. B. Taylor, city comr., 14,000 ft. terra cotta and concrete sewer pipe, etc., to Bell-Bockel Co., Inc., Central Trust Bldg., $51,149. Noted Oct. 5.

Md., Baltimore—Storm water sewer in neighborhood of Calvert and 34th Sts., Contr. 46, 713 ft. 15 in. vitr. clay pipe, 61 lin.ft. brick masonry, 825 ft. 72 in. rein.-con., to Consolidated Eng. Co., Calvert Bldg., $26,264.

Fla., Haines City—See "Waterworks."

O., Lyndhurst (Cleveland, P. O.)—For 7,100 ft. 4-16 in. vitr. sewers in Richmond Rd., to A. Marra Co., Ulmer Bldg., Cleveland, $48,739.

Mich., Detroit—To J. Wagner, 2735 West Grand Blvd., Ryan Ave. Arm Seven Mile Rd. Sewer, $48,602; to R. D. Baker, 1631 Elmhurst Ave., Fenelon Ave. Arm of Seven Mile Rd. Sewer, $37,286; to Connelly Bros., 2269 Hamilton Ave., Edison Ave. Arm, $58,260, Westminster Ave. Arm, Bates St. Sewer, $49,690; to C. R. Lennane Co., 2631 Woodward Ave., Huston Ave. Arm of Gratiot Ave. Sewer, $41,264. Noted Oct. 12.

Mich., Detroit—T. W. Blanck & Co., 823 Ford Bldg., Lateral Sewer 3686 $7,370, Lateral 3738 $5,302, Lateral 3741 $2,500, Lateral 3743 $3,135, Lateral 3744 $5,570, Lateral 3747 $3,654, Lateral 3751 $4,354; to A. Rossi, 5307 Pennsylvania Ave., Lateral 3739 $2,760, Lateral 3748 $600; to J. Monti, 1424 St. Joseph St., Lateral 3742 $7,125; to G. Ponterelli, Wolverine Hotel, Lateral 3745 $7,953; to Western Constr. Co., 1208 Ford Bldg., Lateral 3746 $932; to Coolsaet Bros., 400 Penobscot Bldg., Lateral 3752 $9,800.

Mich., Ferndale—To Hammen & Co., 516 Garfield St., Detroit, vitr. crock sewer in Bermuda Ave., $12,537, Stafford Ave., $10,592, Allen Ave., $8,420, Rockwell-Oakridge Sewer, $14,013, Planavon Ave., $4,338; to Halpin & Reilly, 304 Bancroft St., Toledo, O., Lewiston Ave. $12,062, Paxton Ave. $4,183. Noted Oct. 5.

Wis., Brillion — Furnishing and laying storm and sanitary sewers in Main St., to Cornilessen & Tatenhone Co., 2436 North 6th St., Sheboygan. Engrs. est. $25,000.

Wis., Milwaukee—House drains and water service connections in 44th, 45th, 46th, 47th, 48th and 49th Sts., all from Center St. to city limits, to Dean Constr. Co., 382 East North Ave., $48,056; 50th St. from Center St. to City limits to A. Kehrein, 918 24th St., $7,831; 51st St. from Center to Locust to F. A. Goll, 223 18th St., $5,765.

Wis., Milwaukee—Sewer in Keefe Ave., etc., to L. G. Zimmermann, 2826 State St., 1,630 lin.ft. 60 in. concrete sewer $26, 1,529 lin.ft. 72 in. concrete sewer, $29, 655 lin.ft. 48 x 84 in. rein.-con. sewer $28, 1 overflow chamber $2,800, 2 sewer gauging manhole chambers complete $300, 12 storm sewer manholes complete $79, total $109,409. Noted Oct. 12.

Mo., Cape Girardeau—City Council, combined sanitary and storm sewerage system in Sewer Dist. 5, 25,400 cu.yd. common brick masonry, 64,290 lin.ft. 8-24 in. concrete pipe, 14,539 lin.ft. 27-102 in. rein.-con. pipe, 139,660 lb. cast iron, $16,000 lb. wrought iron, 148,000 ft. lumber left in trenches, removing and replacing 39,250 sq. ft. macadam and 2,520 sq.ft. concrete pavement, removing and replacing 3,850 sq.ft. concrete sidewalks, etc., to J. J. Dunegan, Shenandoah, Ia., $330,866. Engrs. est. $330,924. Noted Sept. 21.

Calif., San Anselmo—Constructing sewage disposal plant, including sewage treatment tanks, pump house, chlorinator house, sludge beds and outfall sewer line, to Rocca & Colletti, 906 C St., San Francisco, $34,980. Noted Oct. 5.

Ont., Simcoe—See "Streets and Roads."

Waste Disposal

CONTRACTS AWARDED

Pa., Phila.—Waste disposal plant 280 ton capacity, to C. O. Bartlett & Snow Co., French and Winter Sts., Cleveland, O., $145,200.

Bridges

PROPOSED WORK

N. J., Riveredge—Bergen Co. (Hackensack) plans 62 ft. bascule span and two 31 ft. 6 in. approach plate girder spans, pile foundations, concrete abutments and piers, here. $60,000. R. P. McClave, co. engr. A. W. Gill, asst. co. engr.

Pa., Wilkes-Barre—Having plans and specifications prepared for new steel bridge on South Ave. $500,000. J. E. Greiner & Co., Fidelity Bldg., Baltimore, Md., consult. engrs.

Pa., Youngsville — Pennsylvania R.R., Broad St. Sta., Phila., and New York Central R.R., Grand Central Terminal, New York, plan concrete and steel superstructure of bridge over Pennsylvania and New York Central R.R. at this point, $28,597. State Hy. Dept. and Warren Co. will construct necessary approaches, pavement, etc., $66,330. A. C. Shand, ch. engr. Pennsylvania R.R. and G. W. Kittredge, ch. engr. of New York Central R.R.

La., New Orleans—J. Bose, supt. New Orleans Dist. of Louisville & Nashville R.R., having surveys made for replacing wooden cresoted bridge over Rigolets Bayou with new steel bridge. Structure will be 4,595 ft. in length proper, 10,060 ft. long with approaches, 8 steel truss span, and 1 draw span, 414 ft. long, piers supporting steel bridge work will be constructed of heavy rein.-con., 34 ft. in diam., placed 70 ft. above bottom of Rigolets Pass, 16,870,000 lb. steel. $3,128,000. W. H. Courtenay, Louisville, Ky., ch. engr.

O., Cleveland—Cuyahoga Co. to vote on $400,000 bonds Nov. 7, for steel and concrete bridge at Whitehouse Crossing and Bway. F. Lander, Court House, engr.

South Dakota—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, preparing plans one 344 ft. and three 316 ft. through steel truss, one 250 ft., thirty-nine 22 ft. and five 23.5 ft. deck steel girder spans, 6 rein.-con. piers, wood flooring, etc., on Natl. Old Trails Rd., near Glasgow, Howard and Saline Counties. B. H. Piepmeier, Jefferson City, ch. engr. F. W. Adgate, Rookery Bldg., Chicago, consult. engr.

Missouri—State Hy. Dept., Jefferson City, preparing plans two 42 ft., three 250 ft., one 100 ft. and one 125 ft. steel spans, 6 rein.-con. piers, concrete flooring, over Missouri River, on Federal Aid Project 220, Carroll and Lafayette Counties. B. H. Piepmeier, Jefferson City, ch. engr. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, consult. engrs.

Missouri—State Hy. Dept., Jefferson City, preparing plans three 410 ft. through steel truss, three 250 ft., two 190 ft. and two 100 ft. deck steel truss, six 50 ft., two 25 ft., three 24 ft. and two 45 ft. steel deck girder spans, 11 piers, 20 ft. roadway, concrete flooring, near Lexington, in Lafayette and Ray Counties; one 200 ft. and three 95 ft. steel, two 35 ft. I-Beam and three deck plate girder spans, 5 rein.-con. piers, 20 ft. roadway, concrete flooring, over Gasconade River, near Mt. Sterling-Jefferson City-St. Louis Rd., Federal Aid Project 219, Gasconade Co. B. H. Piepmeier, Jefferson City, ch. engr. Waddell & Son, 800 Graphic Arts Bldg., Kansas City, consult. engrs.

Tex., Beaumont—Jefferson Co. making plans 0.098 mi. steel and concrete bridge over Neches River, movable span with concrete approaches. $324,000. A. C. Love, co. engr.

Tex., Orange—Orange Co. making plans 496 ft. steel, concrete and timber trestle over Sabine River, double leaf bascule, deck girder, 150 ft. steel movable span in center, 990 ft. overall length. $200,000. J. E. Johnson, co. engr.

Tex., Sanderson — See "Streets and Roads."

Wash., Seattle—King Co. plans Bridge 1811 A, 200 ft. steel span across Snoqualmie River, $25,000; Carr Bridge 827 A, 170 ft. steel span across Cedar River, $20,000; Brooks Bridge 325 A, 150 ft. steel span across Green River, $10,000.

BIDS DESIRED

N. J., Trenton—Oct. 31, by Mercer Co., through plate girder viaduct over Delaware and Raritan Canal and tracks of Pennsylvania R.R. at Olden Ave. J. A. L. Waddell, 35 Nassau St., New York City, engr. Noted Aug. 31.

Georgia—Nov. 1, by State Hy. Dept., Atlanta, 528 ft. rein.-con. bridge on Quitman-Madison Rd., Quitman Co., incl. removal of old bridge. H. L. Furlow, Tipton, engr.

Fla., Milton—Nov. 14, by Bd. Comrs. Santa Rosa Co., Yellow River Bridge on Milton-Camp Walton Rd., 8 mi. southeast of here. C. H. Overman, co. engr.; adv. this issue.

Miss., Vicksburg—Nov. 7, by Bd. Supervs. Warren Co., at office of J. G. Sherard, chancery clk., bridge over Big Black River on South Scenic Highway; adv. this issue.

Illinois—Oct. 31, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, following bridges, 4 concrete approach spans, Route 2, Sect. 52-B, Clinton Co., 1 steel superstructure, Route 2, Sect. 52-C, 1 combination concrete and steel Route 2, Combination O, Clinton Co., 5 concrete Route 3, 9-B, Rock Island Co., 1 concrete, 6 concrete approach spans, 1 substructure for steel, Route 12, Sect. 24-B, Clinton Co., 1 superstructure for steel span, Route 12, Sect. 24-C, Clinton Co., 1 concrete and 1 combination, Route 12, Combination P, Clinton Co. C. H. Older, ch. highway engr.

Wyoming—Oct. 26, by Comrs. State Hy. Dept., Cheyenne, 3 concrete girder bridges, 104 ft. long, southwest of Clearmont, on Federal Aid Project 116-A, Sheridan Co. $30,000. C. R. Wood, Sheridan, engr.

Mont., Belt—Oct. 27, by State Hy. Comn., Helena, one 90 ft. steel truss span, concrete floor and abutments, wooden piling, here, on Federal Aid Project 72, Cascade Co., $25,000, Cascade Co. and Federal Government owners; two 105 ft. steel pony trusses, on concrete abutments, between here and Riceville on Federal Aid Project 73, Proposal B, Cascade Co., $35,000, County and State owners. J. N. Edy, Helena, ch. engr.

Colorado—See "Streets and Roads."

Que., Vaudreuil—Nov. 7, by Provincial Government, at office J. L. Boulanger, deputy minister of highways, Quebec, 1,395 ft. steel bridge from here to Illes Perrots, 20 ft. roadway, 4 ft. sidewalks, rein.-con. floor. C. V. Denis, engr. in charge. Noted Aug. 3.

BIDS RECEIVED

New Jersey—Joint Comn. for Elimination of Toll Bridges over Delaware River, between New Jersey and Pennsylvania, at State House, Trenton, opened bids Oct. 7, repairs to bridge over Delaware River between Montague Twp., Sussex Co., N. J., and Milford, Pike Co., Pa., from W. S. Rae, Oliver Bldg., Pittsburgh, Pa., $19,600. Noted Sept. 28.

N. J., Washington's Crossing (Taylorsville, Pa., P. O.)—Joint Comn. for Elimination of Toll Bridges over Delaware River between New Jersey and Pennsylvania, State House, Trenton, opened bids Sept. 30, repairing bridge over Delaware River, here, from Dover Boiler Wks., Dover, $28,824. Noted Sept. 21.

Alabama—See "Streets and Roads."

Tenn., Nashville — Rein.-con. viaduct on Meridian St., from Foster-Creighton Co., Fourth and First Natl. Bank Bldg., $206,244; east and west approaches to Church St. viaduct, from Gould Contg. Co., Independent Life Bldg., $186,193. Noted Aug. 3.

Mich., Lansing—J. A. Parsons, city clk., opened bids 565 ft. rein.-con. bridge incl. 7 concrete girders and 3 concrete arches, from Koss Constr. Co., 2818 5th Ave., Des Moines, Ia., $139,000, J. R. Rusche, Grand Rapids, $1°9,800, Baer Constr. Co., Gildner Hotel, Grand Haven, $161,000. Noted Sept. 28.

Ia., Centerville—Appanoose Co. opened bids for one 110 ft. and one 120 ft. high truss steel span bridge, 30 rein.-con. box culverts, from Alexander & Higbie, 2733 6th Ave., Des Moines, all work, $48,918; F. E. Marsh & Co., Jefferson, trusses only, $31,900; Iowa Bridge Co., 1263 East 19th St., Des Moines, $49,800. Engrs. est. $50,000.

Ia., Washington—Supervs. Washington Co., opened bids 322 ft. structural steel deck truss bridge, one 100 ft. and two 70 ft. main spans, two 40 ft. approach spans, over English River near Kalona, from Iowa Bridge Co., 1263 East 19th St., Des Moines, $29,999; F. E. Marsh & Co., Jefferson, $32,329; Ritzinger Constr. Co., Sigourney, $32,800. Engrs. est. $30,000.

Bridges (Continued)

CONTRACTS AWARDED

Mass., Cambridge—City, 68 ft. rein.-con. bridge, 58 ft. wide, over Broad Canal, to W. L. Miller Co., 171 Alford St., Charlestown, $37,222.

N. Y., White Plains — Westchester Co., Court House, rein.-con. arch bridge over Croton River at site of present Van Cortlandt Bridge, on Albany Post Rd. between towns of Cortlandt and Ossining, to O. B. S. Co., 5623 Kingsessing Ave., Phila., $159,462. Noted Sept. 21.

Fla., Ft. Lauderdale — Comrs. Broward Co., steel swing drawbridge, Warren girder, short arm draw, 550 ft. clear channel width, near Dania, 1,200 cu.yd. earth approach and fill, 400 lin.ft. creosoted timber retaining wall, to Champion Bridge Co., Wilmington, O., $17,981. Noted Aug. 17.

Alabama—State Hy. Dept., Montgomery concrete bridges, girder type, on Huntsville-Guntersville Rd., Madison Co., to Stanley & Singer Constr. Co., Lafayette, $54,618. Noted Oct. 5.

O., Toledo—W. T. Jackson, dir. Pub. Serv., bridge over Swan Creek in line of Hawley St., to A. Bentley & Sons Co., 201 Belmont Ave., $59,720. Noted Sept. 7.

Ia., Cherokee—Supervs. Cherokee Co., to G. Gardner, Sheldon, 4 box culverts $1,416; Deloit Bridge Co., Denison, one I-beam span and one high truss bridge, consisting of three 100 ft. spans, $40,000

Idaho, Lucile—State Hy. Dept., 202 Pioneer Bldg., Lewiston, steel truss bridge, three 60 ft. spans, here, to Beacon Constr. Co., Ogden, Utah, (street address not available) $24,909.

Idaho, Spaulding—Director Bureau Highways, Boise, 500 ft. bridge, two 50 ft. and two 200 ft. spans, on Federal Aid Project 57, here, 492,000 lb. steel, 21,000 lb. reinforcing steel, 580 cu.yd. concrete, etc., to Security Bridge Co., 502 North 32nd St., Billings, Mont., $69,800.

Calif., Stockton—Constructing bridge on Center St. over Mormon Channel, (complete, allowing railroad companies to keep traffic in continuous operation), to Davis-Heller-Pearce, Delta Bldg., $45,500. Noted Oct. 12.

Dams

PROPOSED WORK

Wis., St. Croix Falls—St. Croix Falls Impvt. Co. making plans 2 rein.-con. and steel dams, with gate hoists, across St. Croix River. $25,000. Private plans.

Railways

PROPOSED WORK

Florida—Florida East Coast Ry., St. Augustine, plans 120 mi. road through everglades from Miami to Okeechobee. H. N. Rodenbaugh, St. Augustine, ch. engr.

Tennessee—See "Industrial Works" under Memphis.

Wisconsin — Madison Street Ry. Co., 1301 Williamson St., Madison, plans extending street car track on Monroe and East Johnson Sts. $25,000. D. Montgomery, mgr.

Washington — See "Industrial Works" under Yakima.

California—Atchison, Topeka & Santa Fe R.R. Co., Railway Exch. Bldg., Chicago, plans 13 mi. standard gauge line from El Segundo, on Rodondo Branch, to Los Angeles Harbor also 6 mi. spur track to serve Los Angeles and harbor district. C. F. W. Felt, ch. engr.

BIDS DESIRED

New York—Oct. 26, by Transit Comn., 49 Lafayette St., constructing Sect. 3 of Route 52, part of Rapid Transit R.R., Flushing Route, in Boro of Queens. G. McAneny, chn.

Excavation, Drainage, Irrigation

PROPOSED WORK

Ind., Warsaw — Kosciusko Co. plans dredging Tippecanoe River from Warsaw to county line, about 27 mi., 1,394,000 cu.yd. earth excav. $350,000. S. S. Boggs, Warsaw, engr.

WATER MAINS—CLEVELAND, OHIO

Following are lowest bids opened Sept. 29, by Dept. Pub. Utilities, Div. of Water, for furnishing and laying Wade Park Ave. raw water mains, Baldwin-Fairmount Project, Contr. No. 16, (A) P. F. Connolly Co., 313 Commonwealth Bldg., (awarded contract), (B) Martin, McDace, 1452 West 98th St.; (C) T. A. Gillespie, 7 Dey St., New York.

	A	B	C
26,800 cu.yd. excavation and backfilling	$3.49	$3.60	$3.75
5 M.Ft.B.M. lumber and wooden sheeting left in place	50.00	50.00	30.00
10,400 lin.ft. furnishing and laying 60-in. cast iron, bell and spigot pipe line	36.49	36.00	
Alternate for item 3—furnishing and laying 63-in. riveted steel pipe line	24.10	20.00	
Alternate for item 3—furnishing and laying 60-in. lock bar or similar steel pipe line	23.09		24.00
2,180 lin.ft. furnishing and laying 48-in. cast iron, bell and spigot pipe line	26.24	28.25	29.75
Setting three 48-in. gate valves, furnished by the City	100.00	250.00	75.00
Setting two 36-in. gate valves, furnished by the City	100.00	200.00	50.00
Setting 6-in. automatic air valves, furnished by the City	100.00	100.00	25.00
40 cu.yd. brick masonry	30.00	25.00	45.00
*20 cu.yd. concrete masonry	20.00	25.00	15.00
1,000 lb. steel reinforcement and miscellaneous wrought iron	.10	.07	.04
680 lin.ft. furnishing and laying 15-in. D.S. vitrified pipe drains	4.00	6.00	4.00
200 lin.ft. furnishing and laying 12-in. vitrified pipe drains	3.00	5.00	3.00
300 lin.ft. furnishing and laying 6-in. vitrified pipe drains	1.50	3.00	2.50
5 furnishing and setting 3-in. brass drains, and setting 3-in. valves and valve boxes, furnished by the City, complete	60.00	50.00	20.00
3 furnishing and setting 2-in. brass drains; and setting 2-in. valves and valve boxes, furnished by the City, complete	50.00	50.00	20.00
75 lin.ft. furnishing and laying 3-in. galvanized iron pipe	2.00	1.50	2.00
50 lin.ft. furnishing and laying 2-in. galvanized iron pipe	1.00	1.25	2.00
Extended totals 60-in. c.i. pipe omitting item*	$537,101		
Extended totals, 63-in. riveted steel pipe	$408,845	$541,990	
Extended totals 60-in. lock bar pipe	$398,341	$376,190	$422,200

‡Awarded contract.

Idaho, Idaho Falls — Comrs. Bonneville Co. authorized Pioneer Irrigation Dist. 2, to irrigate 50,000 acres on Upper Snake River.

Idaho, Pocatello—Comrs. Bannock Co. authorized Empire Irrigation Dist. to irrigate about 100,000 acres on Greater Fort Hall Project.

Ore., Eagle Point—Eagle Point Irrigation Dist., excavating canal, 152,000 cu.yd. dry earth and 24,000 cu.yd. dry rock excav., to W. Von der Hellen, Eagle Point, $142,300. Noted Sept. 21.

Calif., Crows Landing—West Stanislaus Irrigation Dist. had plans prepared for system to irrigate 13,800 acres, 25,000 ft. canal, 24 ft. wide at top, 9 ft. wide at bottom, concrete lined, also main pumping station and 4 Booster plants. $650,000. E. N. Bryan, Forum Bldg., Sacramento, engr.

Calif., Merced—Merced Irrigation Dist. having plans prepared North Side Canal, incl. 31.57 mi. main canals and laterals, 220,000 cu.yd. excav., 200,000 cu.yd. borrow, cost of canals $210,000, concrete structures $60,000, metal flumes $40,000, concrete lining $10,000; Lake Yosemite-Le Grande Canal extension, 25.5 mi. main laterals, 52 mi. feed laterals, $193,250; on Booster Line, 14 mi. main canals, 26 mi. feed laterals, $101,000. R. C. Starr, ch. engr.

BIDS DESIRED

N. C., Bolton—Nov. 4, by Bd. Drainage Comrs., repairing and improving main ditch of Columbus Co. D. D. 2. G. T. Meyer, secy.; adv .this issue.

Ky., Greenville—Nov. 1, by Bd. Drainage Comrs., 162,000 cu.yd. excav. for drainage ditch.

Miss., Cleveland—Nov. 2, by Comrs. of Northern D. D. at office of W. W. Boone, civil engr., Cleveland, 26 mi. of lateral ditches near Shelby, 3-10 ft. bottom width and 2-13 ft. in. depth of cut, 400,000 cu. yd. earth excav.

Ill., Carrollton—Oct. 26, by Comrs. Keach Drainage and Levee Dist. at office F. A. Whiteside, attorney, Carrollton, repair and construction of levees, cleaning out ditches, etc. Kelker, De Leuw & Co., 1206 Conway Bldg., Chicago, engrs.; adv. this issue.

Calif., Tracy—Nov. 3, by L. C. Stark, secy. Naglee-Burk Irrigation Dist., for irrigation system, Contr. 2, includes furnishing labor and materials to shape and prepare canal banks for concrete lining, furnishing material for placing 6,476 lin.ft. concrete line, etc.; Contr. 3, furnishing labor and materials for 9.2 mi. drainage laterals and 2,600 ft. main drainage canal, 1,800 ft. 18 in. rein.-con. pipe, rein.-con. superstructure for installation of necessary pumping machinery and drainage equipment, etc.; Contr. 4, furnishing and installing one 12 in. double suction vertical centrifugal pump, etc.

CONTRACTS AWARDED

N. Y., New York—J. H. Delaney, comr. Docks, Pier "A" foot of Battery Pl., North River, dredging Chelsea Piers, to Columbia Dredging Co., 30 Church St., $22,546. Noted Sept. 21.

Fla., Ft. Lauderdale—Comrs. Broward Co., constructing inlet from New River Sound to Atlantic Ocean, near here, contract for placing 6,200 cu.yd. Florida stone riprap and 2,500 ton Florida stone capping, to M. Hall & Co., Ft. Lauderdale, unit prices $5.50 and $6 respectively; dredging 81,000 cu.yd. earth and 5,000 cu.yd. rocks, to Waldeck-Deal Dredging Co., Miami, $0.338 and $2.20 respectively. Noted Sept. 21.

Ia., Red Oak—Montgomery Co. D. D. 8, 242,000 cu.yd. excav., and D. D. 9, 72,000 cu.yd. excav., to G. W. Condon, 510 Farnam Bldg., Omaha, Neb., $0.083 per cu.yd. Noted Sept. 28.

Minn., Aitkin—Co. Ditch 38, 10.7 mi. open ditch, 178,856 cu.yd. excav., 12 bridges, 266 lin.ft., sixty-five 16 in. x 32 ft. culverts, to D. A. Foley, Aitkin, $24,979.

Minn., Austin—Mower and Freeborn Counties, Judicial Ditch 5, Sect. O, to A. L. Hoppma, Austin; Sect. T and L, to Natl. Clay Wks., Mason City, Ia., for tile under 12 in., and W. L. Martin, Albert Lea, for tile over 12 in. Total $99,759.

Minn., Slayton — Murray Co., repairing Ditch 19, 167,310 lin.ft. 6-36 in. tile, 35,513 cu.yd. excav., 1 concrete bulkhead, 1 concrete bridge, 18,640 lin.ft. hog tight fence, to Tracy Cement Tile Co., Tracy, $29,350. Noted Sept. 21.

Mont., Billings—Yellowstone Co. enlarging and extending irrigation ditch near here, to O. Schleuter, Fremont, Neb., and H. Schleuter, Cartersville, $450,000.

Calif., Live Oak—Recl. Dist. 2056 constructing canals and structures, to Ross Constr. Co., Forum Bldg., Sacramento, 413,210 cu. yd. earthwork at $0.27 per cu. yd., etc., total $145,000. Noted Oct. 5.

Calif., Merced—Merced Irrigation Dist., constructing Fairfield canal system, 7.4 mi. laterals and 8.4 mi. canals, to S. D. Miller, Manteca, $24,770. Noted Oct. 5.

Calif., Paradise — Paradise Irrigation Dist., constructing wood pipe line, 13,160 lin. ft. open ditch to be prepared for pipe, furnishing 13,160 lin. ft. pipe 32 in. and 34 in. and 3-7 in., control gates and appurtenances, to Pacific Tank & Pipe Co., 318 Market St., San Francisco, $54,457. Noted Sept. 21.

Streets and Roads

PROPOSED WORK

R. I., East Providence (Providence P. O.) —Plans permanent pavement on Warren Ave. Hill $23,000, Warren Ave. $32,000, Roger Williams Ave. $20,000, Bullock Pt. and Terrace Ave., $17,500. Public Wks. Dept., Town Hall, engrs.

N. Y., Auburn—Plans paving Lewis and Fulton Sts. $25,000. M. F. Dullea, city engr.

N. Y., Jamestown — Plans extending Spring St. from 8th St. to city line, $25,000; paving 13th St. between Main and Washington Sts., Catlin Ave. between Fairmont and West 3rd Sts., Utica St. between Livingston and Fairmount Sts. and Ranson alley from Cheney to Winsor Sts., Hillside vitr. brick on 5 in. concrete, $25,000. L. Bergman, city engr.

Streets and Roads (Continued)

N. Y., Jamestown—Plans paving Steele St. from end of present pavement to western terminus of street, 40 ft., brick on concrete, $25,000; soon takes bids on $10,000 worth of sample asphalt resurfacing, which if proves satisfactory will be used to resurface all necessary streets in city. L. Bergman, city engr.

N. Y., Niagara Falls—Plans paving alley between 5th and 6th Sts., 15 ft. asphalt, granite block, brick, concrete or asphaltic concrete. $25,000. W. B. Bennett, city engr.

N. Y., Rochester — Plans laying sidewalks and grading Meadowbrook Rd., Arbor Dr., Laney and Azalea Sts. $38,800; paving Santiago St., concrete, $11,900; Lapham St., asphalt, $22,300; Marlboro Rd., asphalt, $11,800; Salina St., asphalt block, $12,200. C. A. Poole, city engr.

W. Va., Weston—Freemans Creek Dist., Lewis Co., to vote on $800,000 bonds Nov. 7, for improving roads. J. H. Flesher, Weston, engr.

North Carolina—State Hy. Dept., Raleigh, plans constructing 9 ft. concrete or asphaltic roadway on 11.8 mi. road from Williamston Drawbridge to Winslow, Route 30, State Project 106 B, Bertie Co., $165,000; 19.3 mi. from Winsdor to Aulander, State Project 107 B, Bertie Co., $347,000. C. M. Upham, state highway engr.

N. C., Wilmington—City sold $450,000 bonds for street improvements and new water intake.

Fla., Bushnell — Sumter Co. plans election Nov. 7, to vote on $49,000 bonds constructing 7 mi. road from Wildwood west to Oxford-Rutland Rd.; $56,000 for 8 mi. road from Sumterville to outlet of Lake Panasoffkee; $42,000 for 6 mi. road from Webster to Mabel; $30,000 for 4½ mi. from Center Hill to Nortons Crossing; $25,000 for 10 mi. Lindon Rd. to Sloans Ridge; $51,000 for 7½ mi. State aid road, from St. Catherine to Bushnell and Rerdell; $198,000 for 16½ mi. State aid road from Weeds Landing to Sloans Ridge; $112,000 for 16 mi. road from Oxford to Rutland Bridge; $42,000 for 6 mi. road from Coleman east to Wildwood-Leesburg Rd. Engineer not announced. Noted Aug. 1.

Fla., De Land—Bd. Comrs. Volusia Co., rejected bids opened Sept. 7, constructing 5 mi. Dixie Highway between South Bank of Rose Bay and north city limits of New Smyrna; 17 mi. Dixie Highway between end of tarvia road south of city limits of New Symrna through Oak Hill to Brevard Co. line; ¾ mi. Flagler Ave.; all foregoing 16 ft., 30 mi. New Smyrna-Osteen Ferry Rd., from west city limits of New Smyrna through Samsula, Indian Springs and Osteen to Osteen Ferry, 15 ft. Noted Aug. 31.

Fla., Titusville—Plans hard surfacing 5 mi. Ocean Rd. from Indian Bridge to Ocean. $100,000. Engineer not announced.

Alabama—State Hy. Dept., Montgomery, rejected bids grading and gravel surfacing 8.99 mi. road from Jefferson Co. line to Warrior River, Walker Co. W. S. Keller, state highway engr. Noted Oct. 5.

O., Bedford—Suburban Land & Homes Co., c/o H. H. Hardesty, 1011 Swetland Bldg., Cleveland, having surveys made grading, laying sidewalks, mains and sewers at Stop 17 Bedford. $100,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Cleveland—Plans extending East 13th St. from Chest to Walnut Aves. $385,000. R. Hoffman, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—Plans widening Lee Rd. from Cedar Rd. south to Meadowbrook Blvd., brick or asphalt. $100,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Dayton—Plans paving 1,200 ft. Red Haw Rd. from Wabash Ave. north, sheet asphalt and Kentucky rock asphalt or rein.-con. sidewalk, curb and gutter, $14,969; 600 ft. Main St. Bridge, 3,300 sq.yd. granite block or medina stone, $16,370. I. E. Houk, city engr.

Ind., Ft. Wayne—Allen Co. rejected bids gravel surfacing 17,000 ft. Townley Rd., 16 ft. $33,875. Will readvertise.

Ind., Ft. Wayne—Allen Co. plans improving 1.81 mi. Pruesse Rd., 16 ft., crushed stone and tarviax, $29,235. A. W. Groswenor Co., engr.

Ind., Goshen—Elkhart Co. plans grading and gravel surfacing 31,700 ft. County Unit Rd. 37, 16 ft., $35,805; concrete paving 15,840 ft. Grimes Rd., 18 ft., 31,680 sq.yd. concrete on concrete, $74,460; gravel surfacing 15,883 ft. County Unit Rd. 11, $30,650. C. L. Kinney, co. engr.

Ind., Greencastle—Putnam Co. plans graveling 12,486 ft. C. W. Davis Rd. 16 ft. $25,945. A. Plummer, Greencastle, engr.

Ind., Indianapolis—Marion Co. plans paving 1.9 mi. Harting Rd., 16 ft., crushed stone. $28,000. J. J. Griffith, Courthouse, Indianapolis, engr

Ind., Indianapolis—Marion Co. rejected bids opened Oct. 6, concrete paving 2.8 mi. English Ave. Rd., 20 ft. $83,638. J. J. Griffith, Courthouse, engr. Noted Sept. 28.

Ind., Logansport—Cass Co. plans grading and graveling 21,300 ft. J. Long Rd., 16 ft. $31,974. J. Bennett, co. engr.

Ind., Marion—Grant Co. plans graveling 15,750 ft. Duckwall Rd., 16 ft. $31,010. G. Swisher, Marion, engr.

Ind., Monticello—White Co. plans grading and graveling 15,555 ft. Burley Rd., 16 ft. $33,509. G. A. Thomas, Co., engr.

Ind., Rockport—Spencer Co. plans graveling 14,028 ft. J. W. Eissler Rd., 16 ft. $29,191. Z. X. Bennett, Rockport, engr.

Ind., Winamac — Comrs. Pulaski Co. received no bids grading and gravel surfacing 74,185 ft. Getz Rd., 16 ft., $50,000. Will readvertise. R. E. Nutt, Winamac, engr. Noted Sept. 28.

Mich., Detroit—Had plans prepared grading and paving with 3½ in. sheet asphalt on 8 in. concrete, with Berea or Amherst curbs, 3,265 sq.yd. Bordeau Ave. from Belleterre to Nardin Sts., $19,200, 5,087 sq.yd. Indiana Ave. from Grand River to Fullerton Aves., $30,400, 4,435 sq.yd. Seminole Ave. from Harper to Georgia Aves., $26,200, 7,174 sq.yd. St. John St. from Martin to Central Aves., $43,000, 14,098 sq.yd. Six Mile Rd. from Grand Trunk Ry. to Arlington Ave., $84,500, 4,192 sq.yd. Wyoming Ave. from Grand River to Fullerton Aves., $25,000. All 26 ft. J. W. Reid, city engr.

Mich., Detroit—Had plans prepared paving with 3½ in. sheet asphalt on 8 in. concrete, 8,400 sq.yd. Broadstreet Ave., 26 ft., 6,470 cu.yd. excav., $50,400; 1,956 sq.yd. Cherrylawn Ave., 26 ft., 837 cu.yd. excav., $11,700; 8,970 sq.yd. Davison Ave., 46 ft. wide less 17 ft. track space, 7,219 cu.yd. excav., $53,400; 5,827 sq.yd. Dunbarton Rd., 30 and 36 ft., 1,831 cu.yd. excav., $35,000; 7,025 sq.yd. Greendale Ave., 26 ft., 222 cu.yd. excav., $42,000; 2,520 sq.yd. Goddard Ave., 26 ft., 1,497 cu.yd. excav., $15,000; 7,830 sq.yd. Leuschner Ave., 2,944 cu.yd. excav., $46,800; 7,931 sq.yd. Rochester Ave., 5,703 cu.yd. excav., $47,400. J. W. Reid, city engr.

Ill., Edwardsville—Madison Co. Rd. and Bridge Com. takes bids about Jan. 1, paving 4,135.9 ft. Sect. 41-15 d, 18 ft. roadway, 6 ft. earth shoulders, 8,300 sq.yd. portland cement concrete. $23,253 to $25,000. W. E. Howden, Edwardsville, supt. highways.

Wis., Waukesha—Plans paving, curbing and guttering 1.1 mi. various streets, 25 ft., one course concrete. $30,000 bond issue passed. A. P. Kuranz, City Hall, engr.

Minn., Duluth—Plans expending $1,000,000 on street paving and improvements during 1923, incl. 2,300 ft. Michigan St. from Lake Ave. to 5th Ave. W., 35 ft., 1,840 ft. 5th Ave. W. from Superior St. to dock front, 50 ft., concrete on macadam. Also concrete paving 6 streets in Lakeside residential district. E. K. Coe, city engr.

Minn., St. Paul—Rejected bids paving Grand Ave. from Oakland Ave. to Milton St., and from Milton St. to Cretin Ave. $200,000. H. W. Austin, city purch. agt. Noted Aug. 3.

Kan., Arma — Comrs. Crawford Co. (Girard) and City Council soon takes bids paving 0.945 mi. Commercial Highway, Federal Aid Project 120, 18-26 ft., concrete or monolithic brick, here. $41,250. Former bids rejected. C. M. Cooper, Girard, co. engr.

South Dakota—State Hy. Dept., Pierre, takes bids about November, 6.8 mi. earth road, Federal Aid Project 117, 60,000 cu.yd. excav., Haakon Co., also one 80 ft. and two 50 ft. concrete viaducts. $38,760. F. D. Hudgins, ch. engr.

Missouri—State Hy. Dept., Jefferson City, plans 1.773 mi. road from Billings Special Rd. Dist., 24 ft., State Project 20.207, Christian Co., 9,365 lin.ft. grading, 15,657 sq.yd. inverted penetration bituminous surface course, surfacing 15 ft. wide; 10.25 mi. road from Air Line Special Rd. Dist., 24 ft., Federal Aid Project 198 A, Mississippi Co., 18,337 cu.yd. earth excav., 6,995 cu.yd. borrow, 54,695 sq.yd. 1 course plain cement concrete pavement, 41,916 sq. yd. specification A gravel pavement, 172.1 cu.yd. concrete masonry, etc.; 1.004 mi. road from Fulton Westwardly, 12 ft., Federal Aid Project 218, Callaway Co., 3,232 cu.yd. earth excav., 3,827 cu.yd. borrow, 50.7 cu. yd. concrete masonry, 7 010 sq.yd. specification C gravel pavement, etc. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, received no bids Sept. 28, 4.924 mi. road from Phelps Co. line to Houston, 24 ft., State Project Route 7, Sect. 79, Texas Co. Noted Sept. 21.

Mo., Kennett—Making surveys constructing 2 mi. 6 in. rein.-con. highway, 20 ft. between curbs. $120,000. C. E. Smith, Cape Girardeau, engr.

Tex., Bonham—Fannin Co. plans grading and concrete surfacing 7.19 mi. State Highway 5, Paris Bonham Rd. from Lamar Co. line to west line Rd. Dist. 4, 18 ft., 835 cu.yd. concrete in drainage structures, 71,460 sq.yd. concrete pavement. $228,550. A. J. Goode, co. engr.

Tex., Cleburne — Johnson Co. making plans grading, gravel surfacing, bituminous topping and bridging 10.9 mi. State Highway 2-E, from here to Hill Co. line, 18 ft. $154,990. G. W. Courter, co. engr.

Tex., Eldorado—Schleicher Co. making plans gravel surfacing with bituminous topping, crushed rock base, 9.75 mi. Eldorado-Sorona Highway, 18 ft., 25,300 cu.yd. earth, 2,500 cu.yd. loose and 1,773 cu.yd. solid rock excav., 520 cu.yd. concrete, 15,244 cu.yd. gravel and 15,245 cu.yd. crushed rock. $120,930. G. Gilchrest, San Angelo, engr. in charge.

Tex., Georgetown—Williamson Co. soon takes bids surfacing 11.5 mi. State Highway 2-C from here to Travis Co. line, 16 ft., (a) ¾ in. or 1 in. native limestone rock asphalt, (b) 1 in., 1¼ in. or 1½ in. inverted penetration method asphalt topping. $50,000. Former bids rejected. R. A. Nichols, co. engr. Noted Sept. 28.

Tex., Houston—Harris Co. election Nov. 7 to vote on $6,000,000 bond issue for constructing and maintaining 152 mi. highways and lateral roads, 117 mi. to cost $45,000 per mi. and 35 mi. to cost $25,000 per mi. Howe & Wise, 211 First Natl. Bank Bldg., engrs.

Tex., Jourdantown—Atascosa Co. plans grading, gravel surfacing and bituminous topping 1.7 mi. San Antonio-Pearsall Rd., 18 ft. $26 052. T. R. Spence, c/o Chamber of Commerce, San Antonio, div. engr.

Tex., Marlin — Falls Co. making plans grading, gravel surfacing and bridging 12 mi. State Highway 44 from Milam Co. line to north line Precinct 3, 18 ft. $200,000. G. W. Courter, co. engr.

Tex., Pecos—Reeves Co. soon receives bids gravel surfacing and bridging 4.54 mi. State Highway 27, 16 ft., 490.5 cu.yd. concrete, 11,934 cu.yd. roadway, 12,614 cu.yd. borrow and 2,698 cu.yd. loose rock excav., 9,444 cu.yd. gravel surfacing, 50,123 lb. reinforcing. $31,865. A. J. Adcock, Balmorhea, engr.

Tex., Richmond—Fort Bend Co. making plans grading, shell and bituminous macadam surfacing 15.3 mi. State Highway 3, from here to Harris Co. line, 18 ft., 50,000 cu.yd. borrow, 3,000 lin.ft. concrete curbing 120,000 cu.yd. roadway and 50,000 cu.yd. borrow excav., 8,800 sq.yd. concrete, 8,000 cu.yd. shell, 11,000 cu.yd. crushed stone, 190,000 lb. reinforcing. $296,538. C. H. Kendall, Sugarland, co. engr.

Tex., Robert Lee—Coke Co. making plans grading 42 mi. San Angelo-Bronti Rd. State Highway 4, 24 ft., concrete. $100,000. J. E. Bevers, co. engr.

Tex., Rock Springs—Edwards Co. had preliminary surveys made grading, gravel and macadam surfacing 22.15 mi. State Highway 41 from point 4.5 mi. west of here to Real Co., 18 ft. $200,720. W. E. Simpson, 414 Natl. Bank of Commerce Bldg., San Antonio, engr.

Tex., Sanderson — Terrell Co. making plans grading, gravel surfacing and building 7 bridges, 1,820 ft. in length, on State Highway 12 from Pecos Co. line to Val Verde Co. line, 18 ft., 3,000 sq.yd. concrete in drainage structures, 300,900 cu.yd. roadway and 30,000 cu.yd. loose rock excav., 3,000 sq.yd. concrete, 113,360 cu.yd. gravel surfacing. $400,175. D. E. H. Manigault, El Paso, div. engr.

Okla., Tulsa—Comrs. Tulsa Co. having plans prepared and takes bids in about 60 days, concrete paving .7 mi. road to Sa-

Streets and Roads (Continued)

pulpa, 1 mi. 18 ft., balance 27 ft. **D. Patton**, co. engr.

Wash., Seattle—King Co. had plans prepared and opens bids in about 30 days, grading, graveling and filling 2 mi. East Valley Rd. from Auburn south to Pierce Co. line, 336 ft. 12 in. vitr. or concrete pipe, 168 ft. 18-30 in. pipe, 37,812 cu.yd. borrow, 7,888 cu.yd. rock excav. T. R. Beeman, 7807 Woodland Park, engr.

Calif., San Francisco—City and San Francisco Co. having plans prepared grading Telegraph Hill Blvd. $33,000. M. M. O'Shaughnessy, city engr.

BIDS DESIRED

Rhode Island—Nov. 1, by State Bd. of Pub. Roads, Providence, constructing sections of State Highway. Contrs. 2205, 2206, 2207 and 2208; adv. this issue. Noted Aug. 31.

N. Y., Brooklyn—Oct. 25, by E. Riegelmann, boro pres., Boro Hall, repaving Court St. and Rockaway Ave., etc., asphalt.

N. Y., Long Island City—Oct. 23, by M. E. Connelly, pres. Queens Boro, Queens Subway Bldg., grading Hallett St.; repaving 5th St., asphalt blocks; paving 101st and 115th Sts., with sheet asphalt; grading, curbing, etc., 115th, 126th and Beach 25th Streets.

N. Y., Long Island City—Oct. 27, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., curbing, grading and laying sidewalks in Fresh Pond Rd. from Woodbine St. to Flushing Ave., 2nd Ward, also in Woodside Ave. from 2nd to 8th Sts.

N. Y., New York—Oct. 24, by H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., paving Park Ave. west from East 188th St. to Fordham Rd., sheet asphalt; grading, setting curb, laying sidewalks, etc., on Pelham Parkway, Norman, Bogart and Duryea Aves.

N. J., Bridgeton—Nov. 8, paving 17,500 sq.yd. Highway Route 6, Sect. 12-A, Shiloh Rd. and Broad St., cement. Former bids rejected. Remington & Vosbury, 601 Market St., Camden, engrs. Noted Sept. 28.

N. J., Hopatcong—Nov. 2, Bd. Freeholders Sussex Co., (Newton), grading Lakeside Blvd., here. H. Snook, Newton, co. engr.; adv. this issue.

Pennsylvania—Nov 3, by State Hy. Dept., Harrisburg, 15,568 ft. Route 276 Washington and Cresson Twps., Lilly Boro., Cambria Co., 7,612 ft. Route 200, Sparta Twp., Crawford Co., both one course rein.-con.; 23,028 ft. Application 154-1092, Farmington and Pine Grove Twps., Warren Co., one course rein.-con. or bituminous on concrete. G. H. Biles, state highway engr.

Pa., Ebensburg—Nov. 6, by Supervs. East Taylor Twp., c/o H. T. Jones, controller Cambria Co., 3 mi. Ebensburg Rd. from Johnstown line to Goods Corner, 18 ft., 1,050,000 No. 1 repressed vitr. paving blocks on 5 in. concrete. C. P. Thomas, Park Bldg., Johnstown, engr.

Maryland—Oct. 31, by State Rds. Comn., 601 Garrett Bldg., Baltimore, state highway work. Contr. G-24, Garrett Co.; Contr. A-22, Allegheny Co.; Contr. HO-26, Howard Co.; Comr. M-39, Montgomery Co.; Contr. M-38, Montgomery Co.; Contr. M-37, Montgomery Co.; Contr. M-40, Montgomery Co.; Contr. AA-26, Anne Arundel Co. J. N. Mackall, chn.; adv. this issue.

D. C., Wash.—Oct. 27, by Dist. Comrs., 509 Dist Bldg., grading various streets, 44,500 cu.yd. excav. $20,000 to $30,000.

W. Va., West Union—Oct. 28, by H. Hutson, clk. Doddridge Co., paving road between Pike Fork and Talkington Fork Bridges, McClellan Dist.; grading 1 mi. McElroy Rd., McClellan Dist.

Georgia—Nov. 1, by State Hy. Dept., Atlanta, surfacing 13.025 mi. Quitman-Madison Rd., Sects. A and B Federal Aid Project 278. Quitman Co., 1,132 lin.ft. drain pipe, 1,287 lin.ft. concrete pipe, 60,235 cu.yd. earth and 54,735 cu.yd. rock excav., 22,836 cu.yd. 6 in. compacted gravel surfacing, 487. 18 cu.yd. concrete, 25,870 lb. reinforcing, 23.43 acres clearing, 594,780 sta. overhaul, state to furnish cement f.o.b. nearest railroad station. H. L. Furlow, Tipton, engr.

Ga., Augusta—Oct. 26, by J. W. Westmoreland, clk. City Council, City Hall, paving Greene St. from east boundary to 15th St. W. H. Wise, city engr. and comr. Pub. Wks.; adv. this issue.

Miss., Laurel—Oct. 30, at office of City Clerk, brick paving, concrete foundation, gravel surfacing, curbing, guttering, etc., on various streets. J. H. Pace, street comr.; adv. this issue.

Tenn., Shelbyville—Oct. 25, by H. B. Cowan, mayor and Bd. Alderman, improving various streets, 85,800 sq.yd. scarifying, shaping and rolling, 59,000 sq.yd. crushed stone, 55,156 sq.yd. penetrating bituminous macadam, 16,739 sq.yd. asphaltic carpet coat, alternate bids on rock asphalt. L. L. Chadwell, Mt. Pleasant, engr.

Ind., Greencastle — Nov. 6, by Auditor Putnam Co., graveling 12,486 ft. C. W. Davis Rd., 16 ft. $25,945. A. Plummer, co. engr.

Ind., Marion—Nov. 7, by Auditor Grant Co., graveling 15,750 ft. Duckwall Rd., 16 ft. $31,010. G. Swisher, co. engr.

Ind., Terre Haute—Oct. 30, by Auditor Vigo Co., concrete paving 11,220 ft. Fromme Rd., 30 ft., 37,400 sq.yd. concrete, $112,869; gravel surfacing 2.25 mi. Woodsmall Rd., 16 ft., $25,512; 8.5 mi. John N. White Rd., 30 ft., $110,983. G. R. Grimes, Terre Haute, engr.

Michigan—Oct. 25, by State Hy. Dept., Lansing, grading and surfacing 4.325 mi. State Trunk Line Rd. 10-33, Sect. A, Cheboygan Co., 31,157 cu.yd. excav., 40,561 sq.yd. gravel or stone gravel. F. F. Rogers, state highway comr. Noted Oct. 12.

Mich., Grand Haven—Nov. 2, by State Hy. Dept., Lansing, grading approaches to new bridge here, on State Trunk Line Rd. 11-53, Sects. A and B, incl. 54,019 cu.yd. excav.

Illinois—Oct. 31, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 4.88 mi. Route 2, Sect. 52, De Witt Co., 4.88 mi. Route 2, Combination A, De Witt Co., incl. 1 steel bridge, 5.04 mi. Route 3, Sect. 8, Rock Island Co., 3.75 mi. Route 3, Sect. 9, Rock Island Co., 3.75 mi. Route 3, Combination C, Rock Island Co., incl. 5 concrete bridges, 2.37 mi. Route 3, Sect. 10, Rock Island Co., 11.16 mi. Route 3, Combination B, Rock Island Co., 11.16 mi. Route 3, Combination D, Rock Island Co., incl. 5 concrete bridges, 1.66 mi. Route 6, Combination 29, Whiteside Co., 6.2 mi. Route 9, Sect. 6, Tazewell Co., 3.71 mi. Route 14, Sect. 1, Perry Co., 5.24 mi. Route 14, Sect. 3, Perry-Franklin Co., 8.95 mi. Route 14, Combination E, Perry-Franklin Co., 3.22 mi. Route 15, Sect. 19, Wayne Co., 3.35 mi. Route 15, Sect. 20, Wayne Co., 6.57 mi. Route 15, Combination F, Wayne Co., 6.57 mi. Route 15, Sect. 6, Wayne Co., incl. grading 2 sections, 7.99 mi. Route 17, Sect. 3, Marshall Co., 5.85 mi. Route 17, Sect. 4, Marshall Co., 13.84 mi. Route 17, Combination H, Marshall Co., 4.12 mi. Route 18, Sect. 13-C, Kendall Co., 2.29 mi. Route 18, Sect. 14-C, Kendall Co., 6.41 mi. Route 18, Combination K, Kendall Co., 4.26 mi. Route 20, Sect. 15, McHenry Co., 5.82 mi. Route 25, Sect. 33, Iroquois-Ford Co., 5.98 mi. Route 25, Sect. 34, Iroquois Co., 6.5 mi. Route 25, Sect. 35, Iroquois Co., 18.3 mi. Route 25, Combination I, Iroquois Co., 3.32 mi. Route 25, Sect. 38, Kankakee-Iroquois Co., 3.2 mi. Route 25, Sect. 39, Kankakee Co., 6.52 mi. Route 25, Combination J, Kankakee-Iroquois Co., 2.92 mi. Route 28, Sect. 3, Knox Co., 6.82 mi. Route 37, Sect. 4, Franklin Co., 3.64 mi. Federal Aid Project 38, Sect. 46, Schuyler Co., 3.64 mi. Federal Aid Project 38, Combination L, Schuyler Co., incl. 1 section grading. Alternate bids will be received on the following types, portland cement concrete, 4" monolithic brick, 3 in. bituminous filled brick, bituminous concrete with and without binder course, all foregoing 18 ft. Grading 93,316 cu.yd. Route 3, Sect. 23-A, Mercier Co., 263,700 cu.yd. Route 12, Sect. 24-A, Clinton Co., 20,375 cu.yd. Route 15, Sect. 19-A, Wayne Co., 23,285 cu.yd. Route 15, Sect. 20-A, Wayne Co., 43,660 cu.yd. Route 15, Combination M, Wayne Co., 28,610 cu.yd. Route 25, Sect. 12-A, Effingham Co., 39,630 cu.yd. Route 25, Sect. 13-A, Effingham-Shelby Co., 13,460 cu.yd. Route 25, Sect. 14-A, Shelby-Cumberland Co., 33,815 cu.yd. Federal Aid Project 38, Sect. 46-A, Schuyler Co., 81,700 cu.yd. Route 25, Combination N, Effingham-Shelby-Cumberland Co. C. H. Older, ch. highway engr.

Ia., Toledo—Oct. 24 by Auditor Tama Co., grading 15.95 mi. road west of Tama and southeast to Benton Co. line, 311,344 cu.yd. excav., 9,080 lin.ft. 6-8 in. tile, etc., 6.283 mi. road from Gladbrook east, Federal Aid Project 176, 74,558 cu.yd. excav., also building at west end thereof 0.4998 mi. to grade, 5645 cu.yd. excav.

Minn., Duluth—Nov. 9, by F. W. Borgan, aud. St. Louis Co., one course concrete paving, 51,938 sq.yd. State Rd. 2 from here to Carlton Co. line, 81,353 sq.yd. State Rd. 3 from here to Lake Co. line, 51,877 sq.yd. State Rd. 35 from Hibbing to Chisholm; 52,688 sq.yd. State Rd. 35 from Chisholm to Buhl; 81,002 sq.yd. State Rd. 35 from Buhl to Mountain Iron, 28,197 sq.yd. State Rd. 35 from Mountain Iron to Virginia, 39,346 sq.yd. State Rd. 35 from Virginia to Gilbert; 74,376 sq.yd. State Rd. 35 from Gilbert to Biwabik, 54,839 sq.yd. State Rd. 35 from Biwabik to Aurora; 12,601 sq.yd. Thompson Hill Rd. Job 5-2153. $1,000,000. R. W. Acton, Courthouse, co. engr.

Minn., Grand Marais—Oct. 26 by G. Leng, and Cook Co., improving 14 mi. State Project 1-05, Federal Aid Project 298, 24 ft., 128,277 cu.yd. earth excav., 23,310 cu.yd. solid rock excav., incl. bridges 3900 and 3902 each 30 ft. deck girder. $70,000. State Highway Dept., 1246 University Ave., St. Paul, engr.

Kan., El Dorado—Nov. 9, by Comrs. Butler Co. graveling 6.258 mi. road from Augusta to Gordon, Federal Aid Project 124, 18 ft. H. D. Barnes, co. engr. Noted Sept. 14.

Wyoming—Oct. 26 by State Hy. Comn., Cheyenne, grading, surfacing and building structures on 4.5 mi. Sheridan-Gillette Rd. from Clearmont to Double Crossing, Federal Aid Project 116 A, Sheridan Co., $55,000. C. R. Wood, Sheridan, engr.; 3.75 mi. Yellowstone Highway, north of Manderson, Federal Aid Project 113, Big Horn Co., $40,000, R. L. Silver, Basin, engr.; grading and surfacing 15.1 mi. Lincoln Highway, Thayer Junction to Rock Springs, Federal Aid Project 137, Sweetwater Co., $85,000, R. J. Templeton, Rock Springs, engr.; grading and culvert construction 7.8 mi. Yellowstone Highway between Bonneville and Boysen, Federal Aid Project 118, Sect. A, Fremont Co., $100,000, C. H. Boman, Casper, engr. All foregoing 24 ft.

Montana—Oct. 27, by State Hy. Comn., Helena, grading, gravel surfacing and building structures on 10.64 mi. Belt-Riceville Rd., Federal Aid Project 73, Proposal A, Cascade Co., 21 ft., 194,692 cu.yd. unclassified and 19,555 cu.yd. rock excav., 8,425 cu.yd. crushed gravel, 170 cu.yd. concrete, etc. $115,000. J. N. Edy, ch. engr.

Tex., Ft. Worth — Oct. 26, by Comrs. Tarrant Co. grading and gravel surfacing 10.31 mi. Arlington-Mansfield Rd., Project 9, 14-24 ft. $26,341. R. V. Glenn, Courthouse, engr.

Tex., San Angelo—Oct. 28, by J. T. Matheson, judge Tom Green Co., grading, gravel surfacing, etc., 15.41 mi. State Highway 4, 18 ft., 1,375 cu.yd. earth, 2,104 cu.yd. loose and 20,894 cu.yd. solid rock excav., 144,766 gal. asphalt, 5,246 cu.yd. cover material, 20,894 cu.yd. crushed rock, 12,958 cu.yd. gravel, etc. $95,000. G. Gilchrist, San Angelo, engr. in charge.

Utah—Oct. 24, by State Rd. Comn., Salt Lake City, paving and small concrete bridge on 6.413 mi. highway from Tooele Co. line to ½ mi. north of Magna, Salt Lake Co., 18 ft., 14,800 cu.yd. earth and 6,500 cu.yd. rock excav., alternate bids on 5½ in. concrete or 2 in. bitulithic surface. H. C. Means, state road engr.

Utah—Oct. 25, by State Rd. Comn., Salt Lake City, grading and gravel surfacing 6.96 mi. road from Wellsville to county line, 18 ft., Federal Aid Project 33, Boxelder Co. $122,846. H. C. Means, state highway engr.

Calif., Sacramento—Oct. 30, by Supervs. Sacramento Co., paving 12th St. Rd. from city limits north, 14,000 sq.ft. 5 in. asphaltic concrete. C. W. Deterding, co. surv.

Calif., Tracy—Oct. 26, by City Trustees, improving portions of East 6, 6th, West 4th and 4th Sts., 3,160 cu.yd. grading, 1 drainage well, 114,457 sq.ft. 1½ in. topeka on 3½ in. asphaltic concrete, 4,815 lin.ft. concrete curb and gutter, 4,934 ft. concrete shoulders, etc. $47,500. W. D. Harrington, city engr.

Quebec — Nov. 4, by J. L. Boulanger, deputy minister of highways, Quebec, macadamizing 114,514 ft. Levis-St. Lambert Highway, 12 ft., 27,490 ft. in St. Nicholas, 42,003 ft. in St. Antoine Detilly, and 44,757 ft. in St. Croix municipalities, also 111,650 ft. waterbound macadm highway, 5,055 ft. in Leclercville, 37,936 ft. in St. Pierre les Becqueto, 42,081 ft. in Gentilly, 26,472 ft. in Becanour municipalities. M. Necktar, Dept. Rds., Quebec, engr.

Que., Montreal — Oct. 23, by Executive Com., asphalt pavements on 800 ft. Hanatoux St. from Dechateaubriand to Boyer Sts., 23-30 ft., 522 ft DeCastleneau St. from St. Andre to Dechateaubriand Sts., 30 ft.;

Streets and Roads (Continued)

concrete sidewalks on 1,214 ft. St. Andre St. from Jarry to Mistral Sts., 837 ft. St. Urbain St. from Mozart to Baby Sts., 1,606 ft. Delage St. from Mozart to Baby Sts., 706 ft. Hadley St. from DeBiencourt to DuBois Sts., 1,376 ft. Charlemagne St. from Masson St. to Rosemount Blvd., all 5 ft. wide; also 1,158 ft. 2 x 3 brick sewer in St. Donat and Langemarck Sts. E. Gauthier, asst. city clk.

Ont., Goderich—Nov. 20, by L. L. Knox, 16,000 sq.yd. tar penetration macadam pavement with curbs and gutters.

BIDS RECEIVED

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Oct. 10, curbing, recurbing, flagging, reflagging and asphalt paving (1) roadway of West 163rd St., (2) Isham Ave., grading, curbing and asphalt paving, etc., (3) West 157th St., laying sidewalks on (4) Park Ave., widening and repaving (5) roadway of 24th St., wood block, from Asphalt Paving Co., 1301 Metropolitan Ave., Brooklyn, (1) $8,173, (2) $7,672; Brusstar Constr. Co., Harlem River and 150th St., (1) $9,282, (2) $8,905; Interboro Asphalt Constr. Co., 233 Bway., (1) $10,078; C. D. Beckwith, 2875 Bway, (2) $8,130; Burnside Contg. Co., 270 Burnside Ave., (3) $11,070, (4) $10,397; P. J. Kearns, 2306 Creston Ave., (3) $12,120, (4) $13,224, (5) $18,747; Clementi Contg. Co., 1195 Spoffard St., (3) $12,167; C. Hellbock, 633 Wales Ave., (4) $11,018. Noted Oct. 5.

Pa., Phila.—Opened bids paving (1) Lancaster Ave. from 52nd to 56th Sts., 333 sq. yd. granite block, 7,337 sq.yd. asphalt, (2) Clearfield St. from Hancock to Howard and Diamond St. from 52nd to 54th Sts., 1,376 sq.yd. vitr. brick, 7,715 sq.yd. asphalt, (3) Anderson St. from Chelten Ave. to Haines St., Etting St. from Allegheny Ave. to Willard St., Sansom St. from 50th to 51st Sts., 16,251 sq.yd. asphalt, grading and improving (4) Algar St. from Princeton to Cottman Sts., 49,105 cu.yd. earth excav., from Eastern Paving Co., Colonial Trust Bldg., (1) $34,174, (2) $24,524, (3) $28,045; Barber Asphalt Paving Co., Land Title Bldg., (1) $33,568, (2) $25,076, (3) $29,168; J. McCool Co., 124 East Albans St., (4) $31,151; T. L. Flannigan, 1204 Montgomery St., (4) $32,652; Curtiss Bros., Tacony, (Phila. P. O.), (4) $32,695. Noted Oct. 5.

Alabama—State Hy. Dept., Montgomery, grading, surfacing 1.13 mi. York-Livingston-Gaineville Rd., and constructing with 120 ft. steel span and 865 lin.ft. creosoted timber trestle, bridge from Stanley & Singer Constr. Co., Lafayette, $75,552; Finnell Co., Tuscaloosa, $76,715; F. D. Harvey & Co., 688 South Bellevue St., Memphis, Tenn., $79,480. Noted Sept. 14.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Oct. 13, widening old roadway and resurfacing 4.27 mi. Sect. "A" Elyria-Lorain Rd., Lorain Co., from Highway Constr. Co., Elyria, sheet asphalt A-2-a, $106,398, bituminous concrete and sheet asphalt, $92,220; Cleveland Trinidad Paving Co., The Arcade, Cleveland, sheet asphalt A-2-b, $116,788. Noted Oct. 5.

Ind., Winamac—Comrs. Pulaski Co. opened bids grading and surfacing, gravel and stone, 2.75 mi. Redline Rd., 18 ft., from Kain Bros., Winamac, $31,995, Stalbaum & Johnson, Winamac, $32,489, J. L. Hoesel, Winamac, $32,990, archts. est. $29,000; grading and gravel surfacing 15,800 ft. Burns Rd., 16 ft., from Kain Bros., Winamac, $27,000, archts. est. $28,000. Noted Sept. 28.

Mich., Detroit—Grading and paving with 3½ in. sheet asphalt on 8 in. concrete, amherst or berea curbstone, (1) Bordeau Ave. from Belleterre to Nardin Sts. (2) Indiana Ave. from Grand River to Fullerton Aves. (3) Seminole Ave. from Harper to Georgia Aves. (4) St. John St. from Martin to Central Aves. (5) Six Mile Rd. from Grand Trunk R.R. to Arlington Ave. (6) Wyoming Ave. from Grand River to Fullerton Aves., all 26 ft. wide, from Detroit Asphalt Paving Co. 20 McGraw Bldg., (1) $16,509, (2) $26,549, (3) $23,169, (4) $36,740, (5) $72,477, (6) $22,476; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (1) $17,376, (2) $27,856, (3) $24,056, (4) $38,808, (5) $76,819, (6) $23,458; G. R. Cooke, 1260 Penobscot Bldg., (5) $72,909.

N. D., Bismarck—Burleigh Co., opened bids Oct. 4, grading and gravel surfacing Federal Aid Project 174, incl. 356,081 cu.yd. excav., 2,800 cu.yd. gravel, etc., from Holman & Webster, Turtle Creek, $35,237; Northern Constr. Co., 9 North 8th St., Grand Forks, $35,930; North Dakota Constr. Co., Linton, $39,070. Noted Sept. 21.

Missouri—State Hy. Dept. at div. office Hermitage, opened bids Sept. 22 3.069 mi. road from Hermitage Special R.I. Dist., 12 ft., Federal Aid Project 86-A, Hickory Co., (1) 8,862 cu.yd. earth excav., (2) 2,395 cu.yd. rock excav., (3) 12,817 cu.yd. borrow, (4) 21,886 sq.yd. specification C gravel pavement, etc., from M. E. Gillioz, Monett. (1) $0.50 per cu.yd. (2) $2 (3) $0.40 (4) $0.35, total $26,497; Coopers Constr. Serv. Co., St. Louis (street address not available) (1) $0.45 (2) $2 (3) $0.45 (4) $0.45, $29,542. Noted Sept. 14.

Colorado—State Hy. Dept., Denver, opened bids gravel surfacing 5.375 mi. Santa Fe Trail-Granada State Line, Fed-

ROAD WORK—KANSAS

Following are highest and lowest three bids opened Sept. 27 by Comrs. Sumner Co., Wellington, for constructing Meridian Highway, Federal Aid Project No. 35, Sects. F, G and H, 9.148 mi., (A) Ziegler & Dalton, Junction City; (B) Hyde Constr. Co., Enid, Okla., (awarded contract); (C) Stewart & Ritchie, Wichita; (D) Stamey & Mackey, Hutchinson; Sects. J, K, L and M, (A) Ziegler & Dalton; (B) Stewart & Ritchie, (awarded contract); (C) Harrison Eng. Corp., Buffalo, N. Y.; (C) Koss Constr. Co., 2818 5th Ave., Des Moines.

	A	B	C	D
12,115 cu.yd. earth excavation	$0 80	$0 50	$0 75	$0 50
96,775 sq.yd. one course concrete, 7 in. uniform	2 94	2 44	2 57	2 64
16 cu.yd. concrete, approach slabs	2 84	2 40	3 00	2 52
1,865 lb. reinforcing steel for pavement	05	06	08	05
30 lin.ft. 15 in. v. c. pipe	2 00	1 75	1 50	1 25
4,936 lin.ft. guard rail	70	1 00	80	60
4,356 lin.ft. joints for concrete pavement	30	10	30	12
1,238 lin.ft. concrete gutter	90	1 50	1 50	75
2 inlets	40 00	25 00	30 00	25 00
Extended totals	$300,365	$249,670	$265,213	$266,177

	A	B	C	D
20,085 cu.yd. earth excavation	$0 90	$0 75	$0 75	$0 65
177,349 sq.yd. one course concrete, 7 in. thick	3 21	2 57	2 58	2 70
64 sq.yd. concrete, approach slabs	3 11	3 00	5 00	3 00
7,450 lb. reinforcing steel for pavement	05	08	10	08
13,040 lin.ft. guard rail	70	80	1 00	60
7,974 lin.ft. joints for concrete pavement	30	30	35	30
Extended totals	$99,459	$484,463	$489,520	$502,902

ROAD WORK—MISSOURI

Bids were opened Sept. 28, by State Highway Dept., Jefferson City, for constructing 4.457 mi. road from North Kansas City to Gashland, Clay Co., (A) Capital Constr. Co., 1207 Cherry St., Des Moines; (B) Koss Constr. Co., 2818 5th Ave., Des Moines; (C) J. O. Patterson, 311 Ridge Bldg., Kansas City. The unit bids were as follows:

	A	B	C
24,993.9 cu.yd. earth excavation	$0 55	$0 70	$0 55
8,742.7 cu.yd. rock excavation	2 00	2 10	2 50
10,163 cu.yd. borrow	55	60	45
18,045 cu.yd. overhaul	04	04	03
47,066 sq.yd. pavement (part cement concrete)	2 79	2 72	2 80
8,750 lin.ft. wooden guard fence	75	70	80
3,100 lin.ft. concrete gutter	1 25	1 00	95
120 lin.ft. 15 in. reinforced-concrete pipe culvert	3 00	3 00	2 75
252.5 cu.yd. class "B" concrete masonry	23 00	23 00	20 00
63.7 cu.yd. class "C" concrete masonry	23 00	23 00	18 00
22,108 lb. reinforcing for concrete masonry	.06	.045	.065
Extended totals	$190,824	$190,869	$192,798

Bids were opened by State Highway Dept., Jefferson City, for constructing 4.929 mi. road from Warrensburg to St. Charles, St. Charles Co. (A) Godfrey-Meeker, (B) Moreno-Burkham Constr. Co., Syndicate Bldg.; (C) Unit Constr. Co., Title Guaranty Bldg. Contractors all of St. Louis. The unit bids were as follows:

	A	B	C
48,262 cu.yd. earth excavation	$0 53	$0 55	$0 50
2,973 cu.yd. borrow	53	60	50
103,683 cu.yd. overhaul, per 100 ft.	02	05	03
51,741 sq.yd. concrete pavement	2 40	2 60	2 85
2,790 cu.yd. class "B" concrete	19 00	30 00	24 00
22,509 lb. reinforcing steel	.05	.07	05
Extended totals	$178,490	$200,386	$211,736

ROAD WORK—CONNECTICUT

Following are lowest bids opened Sept. 29, by State Highway Comn., Hartford, for constructing New Litchfield Rd., Litchfield and Torrington Townships, (A) Mascetti & Holley, 561 South Main St., Torrington, (awarded contract); (B) C. Vacca, Terryville Rd., Bristol; (C) J. DeMichiel & Bro., 58 High St., Torrington. The unit bids were as follows:

	A	B	C
9,200 cu.yd. earth excavation	$1 10	$1 00	$1 25
2,600 cu.yd. borrow	1 10	1 15	1 25
4,300 cu.yd. rock excavation	2 50	2 30	2 60
Grubbing (lump sum)	3,783 00	100 00	500 00
3,500 cu.yd. 12-in. stone base	2 50	1 00	2 50
20 cu.yd. class "A" concrete	15 00	15 00	18 00
350 cu.yd. class "B" concrete	12 00	10 00	16 00
56,200 lb. steel bars	0'	.03	05
10 catch basins	50 00	40 00	40 00
200 lin.ft. 14-in. c.m. pipe	2 91	2 00	2 00
700 lin.ft. 18-in. c.m. pipe	3 60	2 80	3 50
16 lin.ft. 20-in. c.m. pipe	4 20	3 25	3 50
36 lin.ft. 24-in. c.m. pipe	5 00	4 00	4 00
72 lin.ft. 30-in. c.m. pipe	6 90	5 00	5 50
36 lin.ft. 36-in. c.m. pipe	8 20	6 27	6 50
16 lin.ft. 42-in. c.m. pipe	9 50	7 40	8 00
500 lin.ft. rubble drain	1 50	1 40	1 50
9,300 lin.ft. w.g. rail	.48	.45	.60
11,000 cu.yd. concrete pavement	6 75	8 00	8 50
700 sq.yd. slope paving	1 75	1 00	2 00
500 lin.ft. sheet piling	2 25	1 25	3 00
300 lin.ft. relay old pipe	2 00	.30	1 50
Extended totals	$128,251	$129,126	$151,338

Streets and Roads (Continued)

eral Aid Project 216 A, Prowers Co., 18 ft., from W. A. Colt & Son, Las Animas, $52,607. Standard Eng. & Constr. Co., 518 E & C Bldg., Denver, $53,066, Holly & Bershears, Swink, $58,784; engrs. est. $58,900; grading 1.453 mi. road beginning 11 mi. north of Dillon and extending toward Kremmling, incl. 100 ft. steel truss bridge over Blue River, Federal Aid Project 190, Summit Co., from Colorado Bridge & Constr. Co., Gas & Electric Bldg., Denver, $36,504, Monarch Eng. Co., West Colfax and Larimer Sts., Denver, $40,590, Plains Constr. Co., 427 E & C Bldg., Denver, $41,566, engrs. est $39,045; concrete girder bridge and gravel approaches over St. Charles River, 10 mi south of Pueblo on Rye Rd. to Walsemburg, from J. R. Donaghy, Colorado Springs, $24,650, engrs est $20,786. Noted Oct. 5.

Colo., Denver—Concrete paving 12 blocks Alley Paving Dist. 86, 16 ft., from J. F. Roberts Constr. Co., Tramway Bldg., $22,074; A. J. Collins, 2363 Blake St., $22,312; W. F. Pigg & Son, Engineers Bldg., $22,920. Noted Oct. 5.

Idaho—W. Osborn, dist. engr. State Highway Dept., 202 Pioneer Bldg., Lewiston, grading 2.5 mi. North and South Highway, Federal Aid Project 63, Idaho Co., from D. E. Murphy & Co., Boise, $40,892; G. L. Strickler, Lewiston, $42,860; General Constr. Co., Spokane Savings and Loan Bldg., Spokane, Wash. $45,906.

Wash., Seattle—Opened bids Sept. 30, paving Taylor Ave. et al, from F. Lupis, 1909 Charles St., $34,874, J. L. Smith, Pioneer Bldg. $36,160, D. H. Traphagen, Walker Bldg., $36,840. Engrs. est. $33,975. Noted Oct. 5.

Wash., Seattle—Opened bids Oct. 6, paving Findlay St. et al, 4,000 cu.yd. earthwork and subgrading, 1,020 lin.ft. type "A" armored and 9,950 lin.ft. type "A" concrete curb, 16,225 sq.yd. 6 in. concrete from V. Ramaglia, 4415 Corliss Ave., $47,051, J. L. Smith, Pioneer Bldg., $50,531, engrs. est. $44,702; Orcas St. et al, 2,000 cu.yd. subgrading, 7,250 cu.yd. earth excav., 5,450 lin.ft. type "A" concrete curb and 9,675 sq.yd. 6 in. concrete, from Stilwell Bros., Inc., 3220 9th Ave. S., $37,721, J. L. Smith, Pioneer Bldg., $44,953, engrs. est. $38,911.

California—State Hy. Dept., Sacramento, gravel surfacing 10.7 mi. highway between Ione and Jackson, Amador Co., 15,600 cu. yd. gravel, from J. Phillips, 1909 4th Ave., Sacramento, $58,500, Blumenkranz & Vernon, Farmers & Merchants Bank Bldg., Stockton, $64,740; asphaltic concrete surfacing 0.9 mi. highway through towns of Atwater and Livingston, Merced Co., 1,650 ton surfacing, from J. A. Costello, Jr., 1083 Shotwell St., San Francisco, $20,542, Valley Paving & Constr. Co., Merced, $20,592, A. Teichert & Son, Ochsner Bldg., Sacramento, $21,120. Noted Sept. 21.

Calif., Daly City—Improving various streets, from Eaton and Smith, 407 11th St., San Francisco, 87,910 sq.ft. 1½ in. topeka on 4 in. asphaltic concrete at $0.25; 6,349 lin.ft. concrete curb and gutter $1.60, 2,165 lin.ft. 4 in. vitr. lateral sewer $1.60, 150 lin.ft. 10 in. vitr. sewer $1.60, 880 sq.ft. cement walks $0.20, 4,000 cu.yd. grading $1.60. Noted Sept. 14.

Calif., Stockton — Supervs. San Joaquin Co., improving (1) 2 mi. Mt. Diablo Ave. (2) Thomas Wall Rd. (3) 1½ mi. Jack Tone Rd., (4) 2½ mi. Kettleman Rd. and Quinby Ave. (5) 3.04 mi. Brackharshner Rd. (6) 4 mi. Peters Rd. (7) 3.39 mi. Willow Glenn Rd. (8) 3 mi. East Morrison Rd., (9) 8 mi. road 2½ mi. east from Jack Tone Rd., from G. F. Gilbert, 205 West Vine St., (1) $13,132; C. Moreing, Commercial Savings Bank Bldg., (1) $17,651 (2) $15,530 (6) $22,235 (7) $18,230 (8) $21,130 (9) $26,598; C. O. Holden, 433 East Locust St., Lodi, (3) $12,465 (4) $20,710 (5) $21,677. Noted Sept. 28.

Calif., Tracy — Bd. Trustees grading, paving, curbing, guttering and laying sewers Roosevelt, Taft, Windeler, West 6th, 9th and 10th Sts., from J. E. Johnston, Savings & Loan Bank Bldg., Stockton, $59,787; Blumenkranz & Vernon, Stockton, (street address not available), $69,346. Noted Sept. 28.

CONTRACTS AWARDED

Vermont—State Hy. Dept., Montpelier, gravel surfacing 3.24 mi. Federal Aid Project 33, 18 ft. in Barton, to D. W. Overocker, Brattleboro, $59,403. Noted Sept. 14.

Mass., Pittsfield — W. R. Hagyard, 203 Bartlett Ave., 1,450 ft. parkway, 20 ft., asphalt, concrete, concrete sidewalks, curbing and gutterings, to D. J. Walsh, 107 Fenn St. Engrs. est. $25,000.

Connecticut—State Hy. Dept., Hartford, 17,150 ft. New Haven-New London Rd., in Branford, concrete, to A. D. Bridges Sons, Inc., Hazardville, $106,451 (cement furnished by State $25,000); 26,256 ft. Housatonic River Rd., in Kent, to Mascetti & Holley, 561 South Main St., Torrington, $125,818 (cement furnished by State $38,000). Noted Oct. 12.

Conn., Wallingford — Asphalt paving South Cherry St., to Robinson & Powers, Inc., Meriden. Engrs. est. $25,000. Noted Sept. 21.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, grading, flagging and curbing East 37th St., to F. Persicano, 350 Fulton St., New York, $1,550, engrs. est. $1,600; 82nd St., to T. B. Scott, 671 Halsey St., $1,650; repaving Nassau Ave., Navy and Wallabout Sts., to C. Gallagher, 745 Dean St., $40,053, $8,071 and $34,164 respectively; 23rd St., to J. O'Hara, 557 3rd St., $21,022. Noted Sept. 28.

N. Y., Rochester—Grading, laying sidewalks and sewer in Acorn St., to W. E. Kinney Co., Rochester (street address not available), $14,425; asphalt paving Navarre Rd., to O. Costich Co., Rochester (street address not available), $16,797. Noted Aug. 31.

N. Y., Rochester—To Whitmore, Rauber & Vicinus, 279 South Ave., paving Industrial St., $29,038, Oak St. $12,300, Iceland Pk. $8,291, resurfacing Oak St. $2,713, Phelps Ave. $3,997, all asphalt; to T. Holohan, Rochester (street address not available) Bronson Ave. $15,045, asphalt; to W. E. Kinney Co., Rochester (street address not available), grading and laying sidewalks on Merchants Rd. $5,238. Noted Aug. 31.

N. Y., Little Valley — Cattaraugus Co. will pave 2 mi Olean-Rock City Rd., concrete, by day labor under supervision of J. F. Dailey, engr., c/o County Clerk, Little Valley. $30,000.

N. Y., Sag Harbor — Village Trustees, Municipal Bldg., curbing, rein.-con., paving and storm water sewer, to H. J. Mullin Contg. Co., Inc., Jamaica Ave. and 144th St., Jamaica, $68,857. Noted Oct. 5.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Southfield Blvd., etc., concrete, to Brooklyn & Manhattan Contg. Corp., 26 Court St., Brooklyn, $178,580, engrs. est. $180,000; Washington Ave and roadway of Henderson Ave., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $20,625 and $26,401, respectively. Noted Sept. 21 and Oct. 12.

N. J., Long Branch — Paving Atlantic Ave. from Ocean Ave. to Liberty St., asphalt on concrete, to Newark Paving Co., 133 1st St., Newark, $65,000. Noted Sept. 28.

Pa., Ebensburg — Comrs. Cambria Co., 22,421.43 ft. Old Plank Rd., Cambria Twp., brick surface on concrete to J. L. Elder, Ebensburg, $252,436.

Pa., Phila.—To Barber Asphalt Paving Co., Land Title Bldg., paving with asphalt, Allengrove St. $24,903; to Eastern Paving Co., Colonial Trust Bldg., Front St., $55,536; Hope, Ludlow, Matthew, Stocker and 65th Sts., $26,706; Lebanon Ave., $25,913; to Union Paving Co., 22nd and Locust Sts., Broad St. $25,043, Nedro, Buist and Beechwood Aves. $32,678; to United Paving Co., Colonial Trust Bldg., paving with brick Lebanon Ave. $25,178; to F. Mark Constr. Co., 2204 North 22nd St., grading and paving Beechwood Ave. $26,562, Cayuga St. $64,793. Noted Oct. 5.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., 12,500 sq.yd. concrete sidewalks, to W. F. Brenizer Co., 101 New York Ave., N. E., $1.98 per sq.yd.

W. Va., Huntington—Improving Adams Ave. from Chapmans Crossing to Four Pole Bridge, vitr. brick on concrete, to Harrison & Dean, 322½ 9th St., $25,997.

W. Va., New Martinsville—Wetzel Co., grading 5.5 mi. Grant Dist. Rd., 16 ft., 45,000 cu.yd. earth and rock excav., to Stringer & Springer, Wheeling, (street address not available). $47,926.

N. C., Hillsboro—Paving 1 mi. road, 3 in. sheet asphalt on 5 in. base, (includes some curbing, guttering, etc.), to R. M. Hudson Co., Salisbury, $49,333. Noted Sept. 7.

S. C., Aiken—For 18,000 sq.yd. paving, curbs and gutters, to W. F. Bowe, Jr., 541 Broad St., Augusta, Ga., $41,862.

Alabama—State Hy. Dept., Montgomery, grading and surfacing with gravel and 2½ in. penetration macadam 7.648 mi. Huntsville-Guntersville Rd., Madison Co., to Williams Bros. Constr. Co. and M. W. London & Sons, Roanoke, Va., $124,057; grading and surfacing with 2½ in. penetration macadam 6.87 mi. Decatur-Moulton Rd., Lawrence Co., to Stanley & Singer Constr. Co., Lafayette, $181,917. Noted Oct. 5.

Ky., Grayson—Carter Co., paving 4.6 mi. Midland Trail, 18 ft., to Hatfield Constr. Co., Huntington, (street address not available). $125,000.

O., Cleveland — Cuyahoga Co. paving Hilliard Rd., asphalt, to Highway Constr. Co., Elyria, $114,420; Chagrin River Rd. to O. C. Scott, Ada, $70,805, engrs. est. $73,260. Noted Oct. 12.

Indiana—State Hy. Dept., Indianapolis, 6.007 mi. Lincoln Highway, Laporte Co., 57,042 sq.yd. bituminous macadam on concrete, to Highways Improvement Co., Merchants Bank Bldg., South Bend, $109,018. Engrs. est. $115,000.

Ind., Indianapolis—Paving 5,117 ft. Raymond Rd. from Shelby St. to State Ave., 24 ft., 13,648 sq.yd. asphalt on concrete, to Marion County Constr. Co., 1600 South West St., $25,074. Engrs. est. $28,000.

Ind., Indianapolis—Paving 18,076 ft. 1st alley north of Ohio St. from Dorman to Highland Sts., 14 ft., 28,118 sq.yd. concrete on concrete, to W. C. Halstead, Indianapolis Securities Bldg., $51,559. Engrs. est. $54,200.

Ind., Paolia—Orange Co. paving with crushed stone, 8,056 ft. Jerry Smith Rd., 18 ft., to T. F. Wires, Paoli, $25,850. Noted Sept. 28.

Michigan — State Hy. Dept., Lansing, grading and surfacing 12.062 mi. Federal Aid Project 80, Sects. A and B, Machinac Co., to S. J. Groves, Sons Co., 120 Manhattan Bldg., Duluth, Minn., incl. 73,522 sq.yd. excav. $0.40, 128.2 cu.yd. 1:2:4 concrete $22, 45 cu.yd. 1:2½:5 concrete $21, 46 cu.yd. 1:3:6 concrete $20, 127,209 sq.yd. gravel surface $0.59, total $118,661; 12.366 mi. Federal Aid Project 80, Sect. E, Machinac Co., to Regan-Baker Co., Kewadin, 626.9 sta. grading $16, 33,827 cu.yd. excav. $0.415, 130,470 sq.yd. gravel surface $0.665, total $113,484; 10.514 mi. Assessment Dist. Rd. 444, Lapeer and Genesee Counties, to J. Caldwell, Columbiaville, 63,689 cu.yd. excav. $0.40, 221.9 cu.yd. 1:2:4 and 106.6 cu.yd. 1:3:6 concrete $16, 74,015 sq.yd. gravel surface $0.62, total $81,721; 7.98 mi. Assessment Dist. Rd. 384, Eaton and Ionia Counties, to C. Barber, Cressey, $47,013; stacking 7,300 cu.yd. sand and 14,700 cu. yd. grave on Federal Aid Project 49, Sect. A, Cass Co., to G. H. Kimmerle, Cassopolis, $33,000.

Ill., Chicago—Cook Co. paving 2.33 mi. Sect. 97-B, Route 9-A, asphalt and concrete, to State Impvt. Co., 10 South La Salle St. Engrs. est. $56,374.

Ia., Decorah—Winneshiek Co., to J. A. Dunkel, Webster City, grading 6.25 mi. Federal Aid Project 98, Sect. C from here toward Calmer, 109,536 cu.yd. clay and loam, 6,390 cu.yd. loose and 2,770 cu.yd. solid rock excav., $39,072, 2.8 mi. Primary Rd. Project 121, 23,798 cu.yd. earth excav., Rd. $6,185. Engrs. est. $40,000 and 8,000 respectively. Noted Sept. 28.

Ia., Fairfield—Jefferson Co. grading and building structures on 21.51 mi. Primary Rd. Project 220, 287,749 cu.yd. excav., to L. C. Wood & Co., Alden, $71,937; 76,000 ft. 6 in., 13,600 ft. 8 in., 1,500 ft. 10 in. and 2,660 ft. 12 in. drain tile, etc. to C. L. Reis, Ottumwa, $13,830.

Kan., Iola—Comrs. Allen Co., 1 course concrete, 7.05 mi. Federal Aid Project 127, Sects. A and B, 75,000 sq.yd. concrete, to Fry Bros. Contg. Co., Iola, $2.20 per sq.yd., total $195,813. Noted Sept. 7.

Neb., Lincoln—Paving Dist. 392, to Cochrane Constr. Co., 1st Natl. Bank Bldg., $16,938; Dist. 496, to Abel Constr. Co., Terminal Bldg., $49,918. Noted Aug. 24.

S. D., Sioux Falls—To Western Asphalt Paving Corp., Sioux City, Ia., 12,199 sq.yd. sheet asphalt pavement on 8th St., $2.56 per sq.yd., to C. H. Atkinson Paving Co., Watertown, 6,200 lin.ft. concrete curb on 8th St., $0.42 per lin.ft., to S. L. Noslin, Sioux Falls, 1,200 lin.ft. curb on 2nd Ave., $0.49 per lin.ft. Noted Sept. 28.

Mont., Missoula — Missoula Co. grading and concrete paving 4.83 mi. Wolf-Lodge-Squaw Bay Rd., to H. H. Boomer, Ziegler Bldg., Spokane, Wash., $117,274.

Streets and Roads (Continued)

Missouri—State Hy. Dept., Jefferson City, 2.958 mi. road east and west of State Road. 24 ft., State Project 10, Sect. 26, Charlton Co., to E. C. Johnson, Carrollton, $87,428; 5 mi. road from Versailles to Linn Creek, 12 ft., State Project Route 5, Sect. 56, Morgan Co., to Wassman Constr. Co., Kansas City (street address not available), $16,107; 1.657 mi. road through upper Monticello and Canton Special Rd. Dist., 16 ft., State Project Route 6, Sect. 60, Lewis Co., to Henderson-Washam, Jacksonville, $41,024; 2.569 mi. road through Edinburg Special Rd. Dist., 24 ft., State Project Route 6, Sect. 22, Grundy Co., to Harris Constr. Co., Des Moines, Ia. (street address not available), $72,633; 2.36 mi. road from Hubers Ferry to Mt. Sterling, 16 ft., State Project Route 7, Sect. 38, Osage Co., to J. Pope, Jefferson City, $17,257. Noted Oct. 12.

Missouri—State Hy. Dept. at div. office Buffalo, 10.378 mi. road north and south of Dallas, 24 ft., State Aid Project 20.183, Dallas Co., to M. E. Gillioz, Monett, $31,637. Noted Sept. 14.

Missouri—State Hy. Dept. at div. office Hermitage, 3.069 mi. road from Hermitage Special Rd. Dist., 24 ft., Federal Aid Project 86 A, Hickory Co., to M. E. Gillioz, Monett, $26,497. Noted Oct. 12.

Missouri—State Hy. Dept. at div. office Kahoka, surfacing 8.506 mi. road from Wayland to Keokuk, 16 ft., Federal Aid Project 171, Clark Co., to Henderson & Washam, Jacksonville, $60,957. Noted Oct. 5.

Missouri—State Hy. Dept. at div. office Osceola, 3.705 mi. road from Osceola Special Rd. Dist., 24 ft., Federal Aid Project 100 C, St. Clair Co., 10,607 cu.yd. earth and 913 cu.yd. rock excav., 9,360 cu.yd. borrow, 143.6 cu.yd. concrete masonry, 26,522 sq.yd. specification C gravel pavement, 12 ft. wide, etc., to Newton Constr. Co., California, $25,199.

Missouri—State Hy. Dept. at div. office West Plains, 6.527 mi. road from Springfield to Memphis, 24 ft., Federal Aid Project 51 A, Howell Co., to Jones & Harlin, West Plains, $29,074; 8.743 mi. road from Springfield to Memphis, 24 ft., Federal Aid Project 51 C, Howell Co., to Coopers Constr. Serv. Co., St. Louis (street address not available), $33,518. Noted Oct. 5.

Tex., Lufkin — Angelina Co. grading, gravel surfacing, bituminous topping and bridging 9.72 mi. State Highway 7, Sect. A, Federal Aid Project 277, 16 ft., to J. S. Moore & Sons, Lufkin, $170,317. Engrs. est. $253,350 incl. material furnished by county, and 10 per cent for engineering and contingencies. Noted Oct. 12.

Okla., Madill—Paving, curbing and guttering 110 blocks, 110,000 sq.yd. rock asphalt, to M. R. Amerman, 248 North Market St., Wichita, Kan., $224,829.

Colo., Boulder—Paving 12,000 sq.yd. 14th St. Paving Dist., bitulithic on present base, 4,000 sq.yd. Pleasant St. and Pennsylvania Ave. Paving Dist., bitulithic on rock, to Strange-Maguire Paving Co., Utah Savings & Trust Bldg., Salt Lake City, Utah. Engrs. est. $40,000 and $15,000 respectively.

Idaho—W. Osborn, dist. engr., State Highway Dept., 202 Pioneer Bldg., Lewiston grading 2.5 mi. White Bird-Salmon River Rd., 60,000 cu.yd. earth and 10,000 cu.yd. rock excav., to D. F. Murphy & Co., Spokane, Wash., (street address not available), $36,397; grading and surfacing with broken stone, 6.45 mi. road, 19,010 cu.yd. earth and 44,216 cu.yd. rock excav., etc., to Triangle Constr. Co., Realty Bldg., Spokane, Wash., $68,780.

Washington — State Hy. Rd., Olympia, 20.51 mi. Inland Empire Highway, 16 ft., Yakima Co., to Grant-Smith Co., Henry Bldg., Seattle, $556,739; 12.21 mi. highway, 16 ft., from Underwood to Lyle, Klickitat Co., to K. I. Goulter & Sons, Ilwaco, $334,-175. Noted Aug. 31.

Wash., Everett—Concrete paving Virginia St., et al., to J. W. Hoover & Co., c/o J. W. Hoover, 1607 Hoyt St., $60,695. Engrs. est. $60,000.

Wash., Seattle—Paving Taylor Ave. et al. to F. Lupis, 1909 Charles St., $34,874. Engrs. est. $33,975. Noted Sept. 28.

Wash., Tacoma—Paving St. Helens Ave. from 6th to Division Aves., asphaltic concrete, to C. E. Torkelson, 4339 East G St., $29,480.

California—State Hy. Dept., Sacramento, grading and paving with 6 in. concrete, 7.57 mi. highway between Long Beach and Huntington Beach, Los Angeles and Orange Counties, to H. H. Peterson, Loma Portal, $227,394. Noted Oct. 5.

Calif., Dinuba — Improving Alta and North Villa Aves., to Federal Constr. Co., Call Bldg., San Francisco, 25,200 sq.ft. 1½ in. warrenite on 5 in. concrete at $0.239 per sq. ft.; 34,000 sq.ft. 1½ in. warrenite on 4 in. concrete $0.219; 3,865 lin.ft. concrete curb $0.68; 7,730 sq.ft. concrete gutter $0.35; 200 lin.ft. metal culverts $8, etc.

Calif., Fresno—Improving Mono St. between Van Ness Ave. and P Sts., to Thompson Bros., Divisadero and H Sts., $26,005. Noted Oct. 12.

Calif., Lindsay—Improving various streets to Clark & Henery Constr. Co., 38 South Sutter St., Stockton, $125,413. Noted Oct. 12.

Calif., San Jose—Santa Clara Co. will clear and shape roadway of Bodfish Mill Rd., Superv. Dist. 1, 3,675 lin.ft. by day labor under supervision of I. J. Ryder, co. surv. $27,480.

Que., Montreal—Asphalt pavements on St. Emelie St., to Sicily Asphaltum Paving Co., 60 St. Viateur St., $11,270; De Villiers St., to Quinlan, Robertson & Janin, 52 Duluth Bldg., $43,949; concrete sidewalks on St. Lawrence St., to Leger & Lamoureux, 78 Bernard St., $28,393. Noted Oct. 12.

Ont., Simcoe—Paving Argyle, Robinson, Queen and West Sts., to Paving & Mastic Co., Simcoe, incl. 16,254 sq.yd. tarvia pavement $1.55 per sq.yd., 9,174 ft. curbs and gutters $5,381, also 10 and 18 in. sewers, $11,047. Noted Aug. 17.

Industrial Works

PROPOSED WORK

N. H., Sunapee—Lake Sunapee Power Co. soon takes bids hydro-electric station, dam, and about 1,500 ft. steel penstock, $300,000. I. M. Frost, Rutland, Vt., pres. C. T. Main, 201 Devonshire St., Boston, engr.

Mass., Chelsea (Boston P. O.)—B. S. Cohen, 14 Everett Ave., plans factory, Everett Ave., $300,000. Competitive plans will probably be invited.

Mass., Salem—Baker & Kimball, 38 South St., Boston, soon lets contract 3 story, 70 x 175 ft. factory, frame, plain foundation, Fort Ave., here. $50,000. Private plans.

Mass., Watertown — Vose & Sons Piano Co., 1010 Massachusetts Ave., Boston, having plans prepared by Densmore & Le Clear, archts., 88 Broad St., Boston, factory, Arsenal St., here. $200,000-$300,000.

Conn., Middletown—M. Bornstein & Sons, 40 Gray St., Paterson, N. J., plans 1 story, 60 x 200 ft. factory addition, brick and timber, here. $40,000. Private plans.

N. Y., Buffalo—D. Bunshaft, 55 Manchester Pl., plans 1 and 2 story, 66 x 100 ft., tile garage, Clinton St. To exceed $40,000. Architect not announced.

N. Y., Buffalo—Chevrolet Motor Co., Buffalo, and West Grand Blvd., Detroit, Mich., had plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., 1 and 2 story, 36 ft. high, 338 x 900 ft., brick and steel factory, East Delevan Ave.

N. Y., Buffalo—Empire Drawn Steel Corp., 1133 Marine Bank Bldg., having plans prepared 1 story, 70 x 450 ft., rein.-con., brick and steel factory, Germania St. $100,000. Harding & Crea, White Bldg., engrs.

N. Y., Buffalo—P. M. McGroff, Montreal, Que., plans steel wire factory, here. $1,000,-000. Architect not selected.

N. Y., Buffalo—Pillsbury Milling Co., 302 Metropolitan Life Bldg., Minneapolis, Minn., plans and takes bids about March 1, large flour mill, 7,000 bbl. daily capacity, here. $2,500,000. A. C. Loring, pres. Architect not announced.

N. Y., Buffalo—A. Teachout Realty & Investment Co., plans 66 x 100 ft., brick warehouse, Leslie St. To exceed $40,000. Architect not announced.

N. Y., Lockport—Harrison Radiator Co., Washburn St., plans 3 story, 150 x 300 ft. brick addition to plant. J. R. Tyler, 715 Union Trust Bldg., Rochester, archt.

N. Y., New York—A. Revere, c/o H. J Nurick, archt. and engr, 44 Court St., Brooklyn, soon takes bids 3 story, 75 x 100 ft. garage, brick, steel and concrete, plain foundation, 531 West 36th St., here. $75,000.

Pa., Altoona—Pennsylvania R.R., Broad St. Sta., Phila., plans 1 story, machine shop improve freight car shop, concrete store house, on 16th St., also convert present roundhouse into locomotive repair shop. A. C. Shand, ch. engr.

Pa., Johnstown — Clarion River Power Co. plans hydro electric power plant on Clarion River above here. $3,000,000. F. T. Hepburn, pres.

Pa., Juniata—Pennsylvania R.R., Broad St. Sta., Phila., having plans prepared by W. H. Cookman, archt., Broad St. Sta., Phila., 1 story, 100 x 700 ft. shop here. $300,000. A. C. Shand, ch. engr.

Pa., Phila.—G. B. Clapp, 3717 Filbert St., having plans prepared by Ballinger & Co., archts., 12th and Chestnut Sts., 5 story and basement, 90 x 110 ft. rein.-con., brick and steel, warehouse, plain foundation, 910-914 Cherry St. $250,000. Western Electric Co., Witherspoon Bldg., lessee.

Pa., Pittsburgh—Neely Nut & Bolt Co., 26 South 22nd St., having plans prepared 1 story, 120 x 150 x 173 x 210 ft. brick and steel addition to plant, South 22nd St. and Pittsburgh and Lake Erie R.R. Private plans.

Pa., Warren—Seneca Oil Wks., South Carver St., plans plant. $60,000. Architect not announced.

W. Va., Fairmont—F. W. McIntire plans 2 story and basement, 50 x 160 ft., concrete, steel and tile garage. Private plans.

W. Va., Princeton—Princeton Hosiery Mills Co., plans 2 story and basement, 50 x 150 ft., concrete, brick and steel, mill. Private plans.

N. C., Charlotte—Southern Power Co., Church St., plans steam power plant at Mount Holly, 40,000 hp.; one at Eno, 20,-000 hp. W. S. Lee, 309 East Moorehead St., engr.

Fla., Jacksonville—Soon takes bids 2 units of cotton storage warehouse, each unit includes 6 compartments, each 75 x 100 ft., brick and tile. $50,000. G. B. Hills Co., Barnett Bldg., engrs.

Fla., New Smyrna—Volusia Cypress Co. plans sawmill, planing mill and lumber plant. $100,000.

Ky., Pikesville—Pike Power & Light Co. plans to vote on $200,000 bonds for extensions and improvements to works and lines.

Ky., Williamsburg—Iroquois Natural Gas Co. plans carbon black plant. $200,000. Architect not announced.

Tenn., Memphis—Louisville & Nashville R.R., Louisville, plans new round house near here, also switch tracks and car repair shops near coaling plant, at Leewood. $250,000. A. B. Scates, supt. Memphis div. W. H. Courtenay, Louisville, ch. engr.

O., Cleveland—Otis Steel Co., 3341 Jenning Rd., having plans prepared by R. Brakeman, archt. and engr., 3341 Jenning Rd., 1 story mill, brick and steel, incl. blooming and strip mills and open hearth furnaces. $3,000,000.

O., Cleveland—Whitmer-Jackson Sash & Door Co., 1996 West 3rd St., had plans prepared by H. M. Morse, archt., Finance Bldg., 2 story, 70 x 151 ft. lumber mill addition, brick and timber. $40,000.

O., Findlay—Adam Axle Co. plans 80 x 200 ft. addition to factory. To exceed $50,000. Architect not announced.

O., Lancaster—Fairfield Eng. Co., plans to rebuild factory destroyed by fire. $250,000.

O., Newburg Heights (Cleveland P. O.) —Aluminum Manufacturers, Inc., c/o O. Pessier, 2210 Harvard Ave., plans 2 story, 50 x 100 ft., brick and steel factory, Harvard Ave. $50,000. Private plans.

Ind., Lebanon — Cline & Hicks having plans prepared paint and machine shop, three 1 story buildings, 60 x 100 ft., 40 x 40 ft. and 40 x 60 ft., concrete blocks. $40,000. Private plans.

Ind., Lebanon—Indestructible Wheel Co. plans 2 story, 100 x 160 ft. factory addition, brick. $60,000. Private plans.

Ind., Terre Haute — Vigo Mining Co., Rose Dispensary Bldg., having plans prepared by Shourds-Stoner Co., archts., Tribune Bldg., 1 story, 50 x 80 ft. power house, rein.-con., brick and steel. $75,000.

Ill., Chicago — Bassick Mfg. Co., 2638 North Crawford Ave., having plans prepared by R. S. Ostergren, archt., 155 North Clark St., 1 story, 55 x 142 ft. factory, brick and timber, North Homan Ave.

Industrial Works (Continued)

Ill, Shelbyville—Oct 24 to vote on $100,000 bonds for 45 x 100 ft power house, 30 ft. high, etc. W. A. Fuller, 1971 Ry. Exch. Bldg., St. Louis, Mo., engrs. Noted Dec. 1.

Wis., Appleton Junction (Appleton P. O.)—Trass Candy Co., 865 College Ave., having plans prepared by E. F. Miller, archt., First Natl. Bank Bldg., Appleton, 1 story and basement, 40 x 120 ft. factory and warehouse, brick, tile and concrete, plain foundation. $40,000.

Wis., Granville — Rauschenberger Tire Co., Akron, O., plans 3 story and basement, 150 x 175 ft., brick and concrete factory, plain foundation, here. $150,000. Architect not selected.

Wis., Horicon—Allen-Spiegel Shoe Co., Belgium, plans 3 story, 60 x 150 ft., brick, rein.-con. and steel factory, plain foundation, here. E. W. Allen, mgr. Architect not selected.

Wis., Marinette — C. Anderson & Sons Co., Cook and Merryman Sts., having plans prepared for 2 story, 50 x 75 ft., brick, rein.-con. and steel factory, plain foundation. $75,000. Private plans.

Wis., Neenah—Valley Paper Mills, 145 West Wisconsin Ave., had plans prepared by E. A. Wettengel, archt., 578 Pierce Ave., Appleton, 1 and 2 story and basement, 80 x 627 ft. mill and 112 x 144 ft. warehouse, brick and steel, plain foundation. See Miscellaneous under "Contracts Awarded."

Wis., Plymouth—Phenix Cheese Co. having plans prepared by Singer-Perlstein Co., archts., 9 South Clinton St., Chicago, 5 story, 30 x 60 ft., brick, rein.-con. and steel factory incl. separate boiler house. $60,000. Noted Dept. 7.

Wis., West Bend—Amer. Service & Storage Garage, c/o M. A. Johannes, having plans prepared by L. Hunt, archt., 445 Milwaukee St., Milwaukee, 2 story, 60 x 80 ft., brick and concrete garage, plain foundation. $40,000.

Mo., St. Louis — Atlas Tack Co., Fairhaven, Mass., had plans prepared by Widmer Eng. Co., archts. and engrs., Laclede Gas Bldg., tack plant, incl. 1 story, 203 x 503 ft. main building with 2 story, 25 x 203 ft. slow combustion office, 30 x 67 ft. and 30 x 187 ft. storage sheds and 20 x 30 ft. transformer house, all concrete and steel, plain foundations, Union and Geraldine Aves., here.

Ark., Ft. Smith—O. K. Transfer & Storage Co. having plans prepared by Moores & Dunford, archts. and engrs., 38 South Dearborn St., Chicago, 4 story, 60 x 125 ft. concrete warehouse. $200,000.

Tex., Houston—See "Miscellaneous."

Wash., Yakima—Northern Pacific R.R., 5th and Jackson Sts., St. Paul, Minn., purchased land on south end of town, here, adjoining its tracks, and plans trackage and warehouses. H. E. Stevens, St. Paul, ch. engr.

Calif., Stockton—H. S. Dawson, c/o G. Allen, archt., 37 South Aurora St., having plans prepared 3 story, concrete garage, North California and Oak Sts. $50,000.

Calif., Taft—Cottage Laundry, 322 Main St., plans 1 and 2 story, brick laundry, Main St. $50,000. Architect not selected.

Calif., Tracy—General Milk Co. of California, c/o A. J. Mazurette, archt., 1002 H St., Modesto, soon takes bids rein.-con. condensary plant. $75,000. Noted March 16.

Ont., Delhi—J. E. Stedelbauer plans to rebuild garage and repair shop recently destroyed by fire. $40,000.

Ont., Hanover—Peninsular Cord Tire Co., preparing plans for new plant here. $100,000. Prices wanted on special tire and rubber equipment. W. A. Oakley, mgr.

Ont., London—Corrugated Carton Co., York and Glenbe Sts., having plans prepared new factory. $60,000.

Ont., Niagara Falls—Cameron Motor Co., Cleveland, O., (street address not available), plans factory here.

Ont., St. Thomas—Plans to vote on $100,000 bonds Dec. 1, for improving and extending gas plant. W. Miller, city engr.

Ont., Tillsonburg—Lorne Tractors, Ltd., St. Thomas, plans plant here. $100,000.

BIDS DESIRED

N. J., Atlantic City—S. Abrahamson, archt., 2313 Walnut St., Phila., taking bids 2 story and basement, 85 x 175 ft., rein.-con. and brick, plain foundation, here, for Fleck Bros., 44 North 5th St., Phila. $50,000.

Pa., Jacobs Creek — U. S. A. Drug & Chemical Co. taking bids 3 story, 72 x 120 ft. concrete and brick factory. $150,000. P. Rossello, 406 Congress Bldg., Detroit, Mich., archt.

Pa., Kane—Sakura Soap Co. will build 1 story, 45 x 126 ft. brick and steel addition to factory. Work will be done by separate contracts. E. A. Phillips, Warren Trust Bldg., Warren, archt.

Pa., Oakmont—Mills, Rhines, Bellman & Nordhoff, archts., 1234 Ohio Bldg., Toledo, O., taking bids 2 story and basement, 74 x 94 x 157 x 158 ft. factory here, for Valve Bag Co. of America, 3444 Summit Ave., Toledo, O.

Pa., Phila.—C. Wunder, archt., 1415 Locust St., taking bids 2 story, 60 x 144 ft. rein.-con., brick and steel factory, plain foundation, Torresdale Ave. and Van Dyke St., for Humphreys & Co., Front and Tusculum Sts.

Pa., Phila.—Nov. 1, by A. A. Zimmerman, archt., 85 9th Ave., New York City, 8 story, 150 x 256 ft. rein.-con., brick and steel bakery, Broad St. and Glenwood Ave., here, for Natl. Biscuit Co., $500,000.

Pa., Pittsburgh—J. E. Dwyer, archt., Forbes Murray Bldg., will build and award separate contracts for 1 story, 100 x 400 ft. mill, 56th and Butler Sts., for Hanlon Gregory Galvanizing Co., 24th St. $100,000. Noted Sept. 28.

Pa., Washington—Hazel Atlas Glass Co., South Main St., will build 3 story, 44 x 79 ft. machine shop. $50,000. Work will be done by separate contract. L. Mehary, c/o owner, engr.

Pa., Youngwood—Robertshaw Mfg. Co. taking bids 1 story, 30 x 65 ft. and 110 x 130 ft. foundry and machine shop. Amer. City Eng. Co., Peoples Bank Bldg., Pittsburgh, archts.

W. Va., Huntington—R. L. Day, archt., 1st Natl. Bank Bldg., receiving bids 1 story, 108 x 210 ft., brick and steel addition to stamping plant, for Armstrong Mfg. Co.

N. C., Morganton—See "Buildings."

Ind., Auburn—See "Waterworks."

Ill., Chicago—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 3 story, 100 x 300 ft. factory, rein.-con., brick and steel, Kinzie and Cicero Sts., for E. J. Brach & Sons, 215 West Ohio St. $1,000,000. Noted Aug. 31.

Ill., Chicago—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 3 story, 105 x 125 ft. factory, rein.-con., brick and steel, Congress and Laflin Sts., for F. T. Hoyt, c/o architect. $250,000.

Ill., Chicago—Kocher & Larson, archts., 6250 South Halsted St. receiving bids 1 and 2 story, 36 x 146 ft. factory addition, rein.-con., brick and steel, 2734 West 36th St., for Advance Fdry. and Pattern Co., 2734 West 36th St. $50,000.

Ill., Marshall—Nov. 9, by Mayor and City Council, new power house, 2 A. C. generators direct connected to uniflow engines, switchboard, 2 boilers, piping, chimney, moving and resetting 1 fire tube boiler, etc.; furnishing and installing ice making machinery, 15 ton per diem capacity, distilled water ice plant and erecting ice plant building complete, etc. F. L. Wilcox, Chemical Bldg., St. Louis, Mo., engr. Noted Sept. 14.

Calif., San Francisco—Simon Bros., 150 Townsend St., receiving bids 2 story and basement, 86 x 250 ft. rein.-con. warehouse, Townsend St. $60,000. H. C. Baumann, 251 Kearny St., archt.

CONTRACTS AWARDED

Me., Portland—Clough & Maxim, Fidelity Bldg., will build 1 story, 55 x 200 ft. service station, brick, plain foundation, Forest Ave., by day labor. $40,000. Porr & Thomas, Brown Bldg., archts. Wright Moses Motor Co., 122 High St., lessee.

Mass., Allston (Boston P. O.)—Atlantic Refining Co., 248 Boylston St., Boston, 2 story, 100 x 200 ft. warehouse and plant, rein.-con., brick and terra cotta, plain foundation, Cambridge St., to Metzger, Fisher & White, Otis Bldg., Phila. Archts. est. $85,000.

Mass., Cambridge—J. Shapiro & Son, 27 School St., Boston, will build 6 story, 84 x 133 ft. storage warehouse, rein.-con. and brick, wood pile foundation, Charles River Rd., here, by day labor. $100,000. F. A. Norcross, 46 Cornhill, Boston, archt.

Mass., Fall River—Bd. Water Comrs., 2 story, 30 x 145 ft. machine shop, brick and concrete, plain foundation, Bedford St., to Greany & Sherry, 57 North Main St. Archts. est. $40,000.

Mass., Gardner—G. E. O'Hearn, 92 Oak St., 1 story, 50 x 210 ft. plant, brick and concrete, plain foundation, Parker St., to J. Garneau, 385 Main St. Archts. est. $40,000.

Mass., Lowell—Boott Mills, Armory St., will build 1 story hydro-electric generating plant, brick and concrete, plain foundation, by day labor, under supervision of A. P. Saffor, archt. and engr., 66 Bway.

Mass., Somerville (Boston P. O.)—Boston Elevated R.R., 108 Massachusetts Ave., 3 story, 41 x 120 ft., rein.-con. storehouse, here, to Natl. Eng. Co., 60 Federal St., Boston. Archts. est. $60,000.

R. I., Pawtucket—Prescott Corp., North Main and Bates Sts., 1 story and basement, 75 x 120 ft mill addition, brick and timber, plain foundation, North Main St., to Rowley Constr. Co., 260 Central St. Archts. est. $40,000.

R. I., Providence—Hope St. Garage Co., Inc., 825 Hope St., 1 story garage and service station, brick, steel and concrete, 4th and Hope Sts., to Pawtucket Builders' Finish Co., Pawtucket. Archts. est. $50,000. Noted Sept. 21.

Conn., Danbury—Ball and Roller Bearing Co., 22 Maple Ave., 2 story, 22 ft. high, 50 x 114 ft. factory addition, brick and steel, Maple Ave. and Crosby St., to L. F. Sweeney, 26 Montgomery St. Archts. est. $40,000.

Conn., Naugatuck—Goodyear India Rubber Glove Co., 58 Maple St., 3 story and basement, 60 x 110 ft. factory addition, brick and steel, plain foundation, to McNally Bldg. Co., 41 Concord St., Framingham, Mass. Archts. est. $75,000.

Conn., Norwalk—C. J. Minty, 92 Washington St., South Norwalk, 1 story, 14 ft. high, 85 x 140 ft. garage, show rooms and service station, brick and steel, plain foundation, West Ave., here, to Mattiello & Lasprogato, 62 Meadow St., South Norwalk. Archts. est. $40,000.

Conn., Waterford—J. and G. H. Bathgate, Jordan Mills, 2 story and basement, 40 x 141 ft. mill addition, brick and timber, plain foundation, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $50,000.

N. Y., Mt. Kisco—Westchester Lighting Co., 1st Ave., Mt. Vernon, 1 story, auto service and repair shop, brick and steel, plain foundation, here, to H. Wales Lines Co., 134 State St., Meriden, Conn. Archts. est. $50,000.

N. Y., Brooklyn—Brooklyn Daily Eagle, Eagle Bldg., 6 story, 83 x 111 ft., publishing building, rein.-con. and steel, concrete pile foundation, Adams and Johnson Sts., to Turner Constr. Co., 244 Madison Ave., New York.

N. Y., New York—J. Stahl & Sons, 4761 White Plains Ave., 5 story, 50 x 100 ft., furniture storage warehouse, rein.-con. and steel, plain foundation, White Plains Rd. and 242nd St., to Barney-Ahlers, 110 West 40th St. Archts. est. $60,000.

N. Y., Perry—Fanning Co., Inc., 1,800 ton ice plant, to W. A. Austin, Perry.

N. Y., Yonkers—A. Smith & Sons, Elm Ave., 4 story, 130 x 136 ft. spinning mill and 2 story, 50 x 150 ft. yarn storage building, both rein.-con., also 1 story, 75 x 200 ft. waste storage building, and 1 story, 30 x 60 ft. dye house, both brick and steel, to Barney-Ahlers Constr. Corp., 110 West 40th St. Archts. est. $300,000.

Pa., Butler—Rieck McJunkin Dairy Co., Forbes St., Pittsburgh, will build 2 and 3 story top addition to garage and warehouse, brick and concrete block, McKean and Wayne Sts., by day labor. $60,000. A. Daniels, c/o owner, engr. Noted June 29.

Pa., Clairton—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, addition to by-product coke plant, here, to Koppers Co., Farmers Bank Bldg., Pittsburgh. Engrs. est. $2,000,000.

Pa., Enola—See "Pitcairn."

Pa., McKees Rocks—Chesebrough Mfg. Co., 17 State St., New York City, 2 story and basement, 106 x 143 x 190 x 195 ft. finishing building, brick, 1 and 2 story, 31 x 103 ft. tank house, 1 story, 36 x 39 ft. brick and corrugated siding boiler house, to H. Shenk Co., Century Bldg., Pittsburgh. $200,000. Noted Sept 28.

Industrial Works (Continued)

Pa., Oil City—Oil City Boiler Wks., 351 Seneca St., 1 story, 60 ft. high, 60 x 75 ft. factory addition, brick and steel, Seneca St., to L. O. Boquin, 710 West Front St.

Pa., Phila.—J. T. Hoekstra, archt., 1713 Sansom St., 1 story, 96 x 182 ft. rein.-con. and brick plant, 10th and Windrim Sts., to Monaghan & Losse, 3016 Chestnut St., for Logan Ice Co., 10th and Windrim Sts. Noted Aug. 31.

Pa., Phila.—Standard Provision Co., 3 story, 70 x 160 ft. rein.-con., brick and steel packing plant, plain foundation, Callowhill and Willow Sts., to G. Kessler Constr. Co., 1733 North Marvune St., $120,000. Noted Aug. 24.

Pa., Phila.—See "Buildings."

Pa., Pittsburgh—P. H. Butler Co., 17th and Pike Sts., 4 story and basement, 67 x 110 ft. addition to warehouse, 17th and Pike Sts., to Hughes-Foulkrod Co., Oliver Bldg. Archts. est. $150,000.

Pa., Pitcairn—Pennsylvania R.R., Broad St. Sta., Phila., following buildings and repair shops, here: 100 x 620 ft., 16 x 31 ft., 16 x 61 ft., 100 x 424 ft., 42 x 202 ft., 13 x 25 ft. oil house, also buildings and repair shops in Enola, 100 x 620 ft, 16 x 31 ft., 16 x 61 ft., 100 x 424 ft., 42 x 202 ft., all 1 story, rein.-con., to W. N. Sutherland Constr. Co., Syndicate Trust Bldg., St. Louis, Mo. Noted Sept. 28.

Pa., Pittsburgh—R. W. Hinkle, 601 Foreland St., and Buettner Bros., 3271 East St., 1 story and basement, 30 x 110 ft. garage, 21-23 Foreland St., to Good Constr. Co., State Theatre Bldg. Archts. est. $40,000.

Pa., Reading — Central Abattoir Co., Chestnut St., 3 story packing plant, rein.-con. and brick, plain foundation, to Fink Constr. Co., 658 Penn St. Archts. est. $175,000. Noted July 20.

D. C., Wash. — N. Auth Provision Co., 623 D St., S. W., alterations and additions to packing plant, to A. L. Smith Co., Woodward Bldg., $74,950.

D. C., Wash.—Lambert Hudson Motors Co., 1212 Connecticut Ave., service station on 22nd and M Sts., to Parson & Human, 816 14th St., $150,000.

W. Va., Clarksburg — Clarksburg Exponent Publishing Co., 2 story and basement, 62 x 150 ft., printing plant, Hewes St., to F. L. Grant, Lowndes B.dg., on percentage basis. Archts. est. $50,000.

W. Va., Wellsburg—Hammond Bag & Paper Co., Box 467, 1 story, 125 x 350 ft., rein.-con., brick and steel paper mill, to R. R. Kitchen Co., Natl. Bank Bldg., Wheeling. Noted June 22.

W. Va., Wheeling—Interstate Oxygen Co., 1 story, 100 x 150 ft., oxygen factory, tile, 44th and Eoff Sts., to H. L. Searight, 44th St. Engrs. est. $50,000.

W. Va., Wheeling—Wheeling Box Co., 3007 Chapline St., will build 2 story, 40 x 175 ft., addition to factory, by day labor. Private plans.

O., Canton—Natl. Pressed Gear Co., Crane Bldg., 1½ story, 50 x 175 ft. factory, Allen Ave. S. E. and along tracks of Baltimore & Ohio R.R., to H. J. Eberman, Renkert Bldg. Archts. est. $200,000.

O., Cleveland—Mechanical Rubber Co., c/o A. C. Kingston, mgr., foot of Lisbon Rd., 3 story and basement, 40 x 50 ft. brick and steel factory, Lisbon Rd., to Masters & Mullen Constr. Co., Electric Bldg. Archts. est. $40,000.

O., Cleveland—R. and L. Baker Co., c/o E. Stahl, 2180 West 25th St., 1 story, 36 x 48 ft. kiln building and 1 story, 69 x 112 ft. factory addition, brick and steel, to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $60,000.

O., Cleveland — Gabriel Mfg. Co., 1401 East 40th St., 2 story, 60 x 160 ft., brick and rein.-con. factory addition, to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $60,000.

Ind., Elkhart — Curtain Supply Co., 1 story, 172 x 400 ft. factory, concrete black and steel, to Elkhart Realty & Housing Corp., Elkhart. Archts. est. $100,000. Noted Oct. 12.

Ind., Ft. Wayne—Wayne Tank & Pump Co., Anthony Hotel, 1 story, brick and steel factory addition, to Austin Co., 208 South La Salle St., Chicago. Archts. est. $40,000. Noted Oct. 12.

Ind., Indianapolis — Jackson Realty Co., Murphy Bldg., 6 story and basement, 120 x 195 ft. warehouse, brick and concrete, to R. W. Bauman, 3345 Central Ave. Archts. est. $400,000.

Ind., Bedford—Indiana Quarries Co., 1 story, 400 x 600 ft. mill, rein.-con., brick and stone, to Indiana Bridge Co., Macedonia Ave. and East 12th St., Muncie. Archts. est. $400,000.

Mich., Detroit—Gray Motor Co., Mack Ave., 1 story, 200 x 550 ft. rein.-con., brick and steel factory, plain foundation, Mack Ave., to J. Finn & Son, 7720 Plymouth Rd. Engrs. est. $200,000.

Ill., Chicago—Valentine-Seaver Co., 1721 Sedgewick St., 4 story, 103 x 171 x 272 ft. factory, rein.-con., brick and steel, Greenview and Wrightwood Aves., to Salmon-Waterton Co., 230 East Ohio St. Archts. est. $400,000. Noted Oct. 12.

Wis., Appleton — P. Radamacher, 801 Superior St., will build 1 story, part basement, 32 x 120 ft., brick and concrete garage, plain foundation, Superior St., by day labor. $40,000. Private plans.

Wis., Burlington — J. Alby & Son will build 2 story 30 x 80 ft., brick and concrete garage, plain foundation, by day labor. $40,000. M. White, 68 Wisconsin St., Milwaukee, archt.

Wis., Clyman — Reeseville Canning Co., Reeseville, will build 1 story, 79 x 162 ft., brick and timber, warehouse, concrete foundation, 1 story, 70 x 120 ft. timber machine room, concrete foundation, 1 story, 64 x 90 ft., brick and concrete, boiler house, concrete foundation; also miscellaneous sheds, here, by day labor. $75,000. Private plans.

Wis., Eau Claire—Garton Bros. Co., 227 Chestnut St., 1 story, 50 x 100 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, Madison St., to H. B. Knickerbocker, 726 Babcock St. Engrs. est. $40,000.

Wis., Green Bay — Fairmont Creamery Co., 200 North Bway., 2 story, 100 x 105 ft. dairy, incl. power-boiler house, brick, rein.-con. and steel, plain foundation, to L. M. Hansen & Co., 113 West Walnut St. Engrs. est. $60,000. Noted Oct. 5.

Wis., Green Bay—Ft. Howard Paper Co., South State St., 3 story, 100 x 140 ft., brick, rein.-con. and steel plant, plain foundation, to H. J. Selmer Co., McCartney Bldg. Engrs. est. $100,000. Noted Aug. 31.

Wis., Milton—Burdick Cabinet Co., general contract, 1 story, 80 x 160 ft. addition to factory, brick, concrete and steel, plain foundation, to N. S. Lowther, Milton; structural steel to Lakeside Bridge & Steel Co., North Milwaukee. Engrs. est. $45,000.

Wis., Milwaukee—Harley-Davidson Motor Co., 3732 Chestnut St., general contract 1 story, 74 x 128 ft., brick and concrete addition to factory, to E. S. Steigerwald Co., 3602 Vliet St. Archts. est. $40,000.

Wis., Montfort—O. Yerke will build 1 story, 50 x 60 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, by day labor. $40,000. Private plans.

Wis., Park Falls—Flambeau Paper Co., 2 story, 50 x 95 ft., brick, rein.-con. and steel mill, plan foundation, to C. R. Meyer & Sons Co., 50 State St., Oshkosh. Engrs. est. $100,000.

Wis., South Milwaukee—Burnham Bros. Brick Co., 68 Wisconsin St., Milwaukee, 1 story, 85 x 100 ft., dryer plant, brick and concrete, plain foundation, Chicago Rd., to Meredith Bros. Co., 1043 Kinnickinnic Ave., Milwaukee.

Wis., Stevens Point—Stevens Point Cleaning & Dye Co., 446 Clark St., 2 story, 70 x 90 ft., cleaning and dyeing factory, brick, rein.-con. and steel, plain foundation, to Immel Constr. Co., 200 North Main St., Fond du Lac. $50,000.

Wis., Waukesha—Lux Fibre Furniture Co., 821 Meadow St., will build 1 story, 50 x 90 ft., brick, rein.-con. and steel power plant, by day labor. $40,000. Private plans.

Ia., Davenport—Kohrs Packing Co., 1343 West 2nd St., general contract 2 story and basement, 64 x 71 ft. ice-house, brick and concrete, to Priester Constr. Co., 1006 Kahl Bldg. Archts. est. $50,000.

N. D., Jamestown—Northern Pacific Ry. Co., 5th and Jackson Sts., St. Paul, Minn., remodeling and building addition to brick roundhouse, to have fifteen 100 ft. and five 116 ft. stalls, also 2 story and basement, 40 x 80 ft. concrete and brick warehouse, general contract to N. W. and W. A. Nelson, 260 Temple Court, Minneapolis, $150,000. Owner furnished ceemnt and steel, bringing total cost up to $250,000.

Calif., Oakland—Chevrolet Motor Car Co., Foothill Blvd. and 69th Ave., 2 story, brick and steel, factory and loading platform, to Dinwiddie Constr. Co., Crocker Bldg., San Francisco, $300,000. Noted Oct. 12.

Ont., London—See "Buildings."

Buildings

PROPOSED WORK

Mass., Boston—High School—Schoolhouse Dept. having plans prepared by McLaughlin & Burr, archts., 88 Tremont St., high school in Dunbar Ave. district. To exceed $1,000,000.

Mass., Boston — Police Station — Public Bldg. Dept., City Hall, had plans prepared and takes bids in November, 10 story, 65 x 90 ft., brick, steel and stone, Milk St. $500,000. J. Purdon, 8 Beacon St., archt. B. Brown, 88 Broad St., engr.

Mass., Framingham—School—Town having plans prepared by C. M. Baker, archt., 25 Arch St, Boston, 2 story and basement, 60 x 184 ft. brick, Waverly Terrace. $150,000.

Mass., Gloucester—See "Miscellaneous."

Mass., Somerville (Boston P. O.) — M. Barron, chn. Bd. Dirs. Y.M.C.A., having plans prepared by W. Atherton, archt., 15 Exchange St., Boston, and takes bids about December, 6 story, rein.-con. and brick, Highland Ave. $165,000.

Mass., Springfield—School—City having plans prepared by M. W. Maloney, archt., 145 Chestunt St., 2 story, brick, Indian Orchard. $200,000. G. M. Foss, City Hall, Chn. School Bd. Noted April 20.

Mass., Winchester—School—Town plans elementary school, Rumford Dist. $150,000. C. G. Soring, 7 Water St., Boston, archt. Noted March 9.

R. I., Providence—Dormitory and Club House—Brown University, Prospect St., plans brick, steel and stone. $750,000.

R. I., Providence—Library—Dept. Public Bldgs., plans 3 story and basement, steel, brick and stone addition, plain foundation, Fountain and Empire Sts. $400,000. Clarke & Howe, 1208 Turk's Head Bldg., archts.

R. I., Providence—School—Public Building Dept., City Hall, plans 2 story and basement. $300,000.

Conn., Hartford—Office—Aetna Life Insurance Co., 650 Main St., having plans prepared by J. G. Rogers, archt., 367 Lexington Ave., New York City, brick, steel and rein.-con., Farmington Ave. $3,000,000.

N. Y., Brooklyn—Hospital—State Hospital Comn., Albany, having sketches made by L. F. Pilcher, archt. and engr., Capitol Bldg., Albany, brick, steel and stone addition, plain foundation, here. $2,000,000.

N. Y., Brooklyn—Hospital—Sterling Private Hospital, c/o Timmis & Chapan, archts. and engrs., 315 5th Ave., New York, having preliminary plans prepared 4 story, 100 x 100 ft., brick, steel and stone, plain foundation, St. Johns Pl., here. $250,000.

N. Y., Buffalo—Office—Colson-Hudson, archts., Dun Bldg., preparing plans and takes bids about Jan. 2, 12 story, 160 ft. high, 43 x 133 ft., steel, brick and terra cotta, Washington St., for Holling Press, 498 Washington St. $600,000.

N. Y., Elmira—Store—S. F. Iszard Co., Baldwin and Water Sts., plans 5 story, 75 x 160 ft., brick and steel, Main and Market Sts. $350,000. Architect not selected.

N. Y., Fredonia—Church—First Methodist Church plans new edifice. $150,000. S. L. Maxwell, pastor. Architect not selected.

N. Y., Hamburg—High School—Bd. Educ. having preliminary plans prepared by F. Spangenburg, archt., c/o owner, new brick high school. $200,000. Noted May 25.

N. Y., Hillcrest (Jamaica P. O.)—Club Hotel—Hillcrest Hotel Corp., c/o McKim, Mead & White, archts., 101 Park Ave., New York, having sketches made brick, steel and stone, plain foundation, here. $1,500,000.

N. Y., New York — Office — Independent Fruit Auction Corp., c/o R. T. Short, archt. and engr., 370 Macon St., Brooklyn, soon takes bids 4 story, 75 x 75 ft., brick, steel and stone, plain foundation, 64 Harrison St., here. $150,000.

Buildings (Continued)

N. Y., New York — Temple — Mecca Temple A. A. N. O. M. S., 105 West 45th St., soon lets contract 10 story, brick, steel and stone, plain foundation, West 55th St. $1,000,000. H. P. Knowles, 21 West 49th St., archt. and engr. Noted May 11.

N. Y., Patchogue—Theatre—M. Glynne, Astoria Theatre, Steinway and Grand Aves., Astoria, plans brick, steel and stone, plain foundation, here. $200,000. Architect not selected.

N. J., Atlantic City — Bank — Equitable Trust Co., 2024 Atlantic St., having plans prepared by McLanaham & Benckert, archts., Bellevue Court Bldg., Phila., 2 story and basement, 48 x 96 ft., granite and limestone. $500,000.

N. J., Bordentown—High School—Bd. Educ. plans high school. $150,000. F. T. Buchanan, pres.

N. J., Passaic—School and Recreation—Holy Rosary Church having plans prepared by H. F. Ludorf, archt., Mutual Bldg., New Britain, Conn., 2 story and basement, brick and concrete, Wall St. $250,000. J. Kruczak, pastor.

N. J., Woodbury—County—Gloucester Co. having plans prepared by C. R. Peddle, archt., 136 South 4th St., Phila., 3 story and basement, 97 x 117 ft., brick, rein.-con. and steel, plain foundation. $200,000.

Pa., Altoona—Cathedral—Cathedral of Blessed Sacrament, c/o J. J. McCort, pastor, having plans prepared by G. I. Lovatt, archt., 420 Walnut St., Phila., 200 x 200 ft. stone, 14th Ave. and 13th St. $1,000,000.

Pa., Beallsville—Clubhouse—Memacolin Country Club, c/o A. L. Rowell, secy., having plans prepared by W. L. Stoddard, archt., 9 East 40th St., New York, 2 story and basement. $150,000.

Pa., Beaver Falls—High School—Bd. Educ. having plans prepared by Carlisle & Sharrer, archts., Jenkins Arcade Bldg., Pittsburgh, 2 story and basement, 68 x 129 ft. addition, brick and hollow tile. $150,000.

Pa., Freeport—High School—Bd. Educ. having plans prepared by W. G. Eckles Co., archts., Lawrence Savings & Trust Bldg., New Castle, 2 story and basement, 120 x 300 ft., brick, incl. auditorium and gymnasium, 4th St. near Buffalo St. $200,000.

Pa., Phila.—Bank—Oak Lane State Bank, c/o J. M. Holmes, 6743 Oak Lane, having plans prepared by McLanahan & Beneckert, archts., Bellevue Court Bldg., and soon takes bids 1 story and basement, Broad St. and 67th Ave. $250,000.

Pa., Phila.—Church—Lawnsdale Presbyterian Church soon takes bids 1 story and basement, 85 x 100 ft. brick, steel and stone, plain foundation, Lawnsdale Ave. $300,000. Lackman & Murphy, Drexel Bldg., archts.

Pa., Tarrs—High School—East Huntingdon Twp. Bd. Educ., c/o O. Taylor, Scottdale, having plans prepared by H. C. Frank, archt., 2nd Natl. Bank Bldg., Connellsville, 2 story and basement, 60 x 132 ft. rein.-con., brick and steel. $150,000.

Pa., Wilkinsburg—Apartment Hotel—Wilkinsburg-Plaza Hotel Corp., c/o A. A. Rockoff, 323 South Ave., soon takes bids 9 story, brick, steel and stone, plain foundation. $2,500,000. B. W. Leviton, 7 West 45th St., New York City, archt. and engr. Noted Aug. 10.

Md., Bay Ridge—Hotel—Bay Ridge Hotel Co., plans 2 story, cut stone and timber. $220,000. Dreher, Churchman & Paul, Otis Bldg., Phila., archts.

D. C., Wash.—High School—Dist. Comrs., 509 Dist. Bldg., having plans prepared for extension to Western High School, $350,000.

D. C., Wash.—Junior High Schools—Dist. Comrs., 509 Dist. Bldg. soon receive bids 2 junior high schools. $800,000.

D. C., Wash.—Theatre—H. Crandell, 934 F St., N. W., having plans prepared by T. W. Lamb, archt., 644 5th Ave., New York City, for theatre, here. $500,000.

Ala., University—College—University of Alabama conducting campaign to raise $1,000,000 for new equipment, erecting library, chemistry buildings and various other structures. G. J. Davis, Jr., dean.

Tenn., Memphis—Club—B. P. O. E. plan club near present building on Jefferson St. $200,000. I. D. Block, 1856 Autumn St., and J. H. Moselage, 188 Dudley St., et al., trustees in charge of preliminaries.

Tenn., Nashville — Apartment — Glenn Court Realty Co. soon takes bids 3 story, containing 24 apartments, brick and concrete, Bellemeade Park. $225,000. Marr & Holman, Stahlman Bldg., archts.

O., Cincinnati—Office—Rendigs, Panzer & Martin, archts. and engrs., 609 Lincoln Inn Court, soon let contract 7 story, 90 x 110 x 124 ft., rein.-con. and brick, plain foundation, Court and Vine Sts., for Railway Brotherhood, 2nd Natl. Bank Bldg. $250,000.

O., Cincinnati—Office—Union Savings Bank & Trust Co., Union Trust Bldg., had sketches made by Rendigs, Panzer & Martin, archts. and engrs., 609 Lincoln Inn Court, 10 story and basement, 2 courts, 100 x 130 x 200 ft., rein.-con. and brick, plain concrete foundation, Court and Main Sts. $500,000.

O., Dayton—Apartment—T. Horobin, 59 Pioneer St., plans 6 story, 60 x 300 ft., brick and rein.-con., incl. underground garages, etc., Forest Ave. $800,000. Private plans.

O., Dayton—Office—Carpenters' Union plans 5 story, 74 x 130 ft., brick and concrete, South Wilkinson St. $150,000. K. Koehly, secy. Architect not selected.

O., Hyde Park (Cincinnati P. O.)—School—P. J.Hynes, pastor of St. Mary's Catholic Church Congregation, Erie Ave. and Shady Lane, soon lets contract 2 and 3 story, 70 x 215 ft., brick, plain concrete foundation, Erie Ave. near Shady Lane. $180,000. H. W. Germann, Schwind Bldg., Dayton, archt. and engr.

O., Lakewood (Cleveland, P. O.)—Apartment—J. F. Mullholland, Leader News Bldg., Cleveland, is interested in company being formed, and plans 6 story, H. shaped, brick, steel and concrete, 11,834 Edgewater Dr., here. $500,000. Architect's name withheld.

O., Lakewood (Cleveland, P. O.)—Store and Apartment—Lessovitz & Fishman, 2673 East 53rd St., Cleveland, having plans prepared by M. Altschuld, archt., 5116 Woodland Ave., Cleveland, 2 story, 100 x 110 ft., brick and timber, plain foundation, Madison and Baxterly Rds., here. $150,000.

O., Marion—Bank and Office—Citizens Building & Loan Co. having plans prepared by W. E. Russ, archt., Meridian Life Bldg., Indianapolis, 8 story and basement, 61 x 132 ft., brick and steel. $500,000.

O., Oakwood (Dayton, P. O.) — High School—Bd. Educ. plans election to vote on $350,000 bonds for 3 story and basement, brick and rein.-con. Architect not selected.

O., Portsmouth—Temple—Masonic Temple Building Com., having plans prepared by Pretzinger & Musselman, archts., 1155 Reibold Bldg., Dayton, 2 and 3 story, brick, stone and concrete, Gallia St. $300,000. G. E. Carlyle, chn.

O., Tawawa Spring (near Zenia)—University—Wilberface University, plans rebuilding Shorter Hall, 4 story and basement, brick and concrete, destroyed by fire. $300,000. D. Reibel, Columbus (street address not available), archt.

O., Warren — Hospital — Trumbull Co. plans new tuberculosis hospital. $150,000. R. Keich, Warren, archt.

Indiana—Home—Knights of Pythias of Indiana, Pythian Bldg., Indianapolis, plan home for aged, brick. Site not selected. $300,000. Architect not selected.

Ind., Greenfield—Memorial—Comrs. Hancock Co. plan 2 story and basement, brick. $150,000. McGuire & Shook, Pythian Bldg., Indianapolis, archts.

Ind., Indianapolis—Bank and Office—Meyer-Keyser Bank, 136 East Washington St., having revised plans prepared by Vonnegut, Bohn & Mueller, archts., Indiana Trust Bldg., 7 story and basement, 87 x 197 ft., rein.-con., brick and steel, side addition, East Washington St. $500,000. Noted July 20.

Ind., Indianapolis—Market—Indianapolis Growers' Cooperative Asso., 758 Lemcke Annex, having sketches made by W. E. Russ, archt., Meridian Life Bldg., brick. $200,000.

Ind., Plymouth—High School—School Bd. having revised plans prepared by E. Young, archt., South Bend, 2 story and basement, 163 x 179 ft., brick, stone and steel. $300,000. Noted Aug. 10.

Ind., Terre Haute—High School—School Bd. plans 2 story and basement, brick. $200,000. Johnson, Miller & Miller, 30 North 5th St., Archts.

Mich., Detroit—Apartment—O. Kavieff, archt., 712 Empire Bldg., preparing plans 3 story and basement, 70 x 98 ft. brick, steel and stone, plain foundation, Blaine Ave. $150,000. Owner's name withheld.

Mich., Detroit—Apartment—C. D. Lundblad, archt., 214 New Telegraph Bldg., preparing plans 4 story and basement, 40 ft. high, 95 x 135 ft., brick, steel and stone, plain foundation, Woodward Ave. $250,000. Owner's name withheld.

Mich., Detroit—Clubhouse—Detroit Athletic Club, Madison Ave., plans 6 story, 140 x 150 ft. rein.-con., brick, steel and stone addition, John R. St. $500,000. Architect not selected.

Mich., Detroit—High School—University of Detroit, 630 East Jefferson Ave., plans 3 story, rein.-con., brick and steel, plain foundation, Seven Mile Rd., $300,000. Architect not selected.

Mich., Ironwood—High School—School Bd. receiving competitive sketches for 3 story, concrete, brick and tile, plain foundation. $700,000. Architect not selected.

Mich., St. Johns—High School—S. D. Butterworth, archt., Prudden Bldg., Lansing, takes bids about Nov. 10, 2 story and basement, 190 x 280 ft. rein.-con. and brick, plain foundation, Cass St., for Bd. Educ. $175,000. Election Oct. 24 to vote on proposition. Noted Sept. 28.

Mich., St. Johns—Hospital—Amer. Legion plans 2 or 3 story, brick and steel, plain foundation. $185,000.

Ill., Austin (Chicago P. O.)—Church—Greater Faith Presbyterian Congregation plans 1 story, 115 x 167 ft., rein.-con., brick and steel, North Pine Ave. and Augusta St. $150,000. S. M. Seator, 19 South La Salle St., Chicago, archt.

Ill., Chicago—High School—J. W. McCarthy, archt., 139 North Clark St., preparing plans and takes bids about Nov. 10, 3 story, rein.-con., brick and steel, 83rd and Aberdeen Sts., for Sisters of Mercy, 4928 Cottage Grove Ave. $400,000.

Ill., Evanston—Seminary—Western Theological Seminary c/o James Gamble Rogers, archt. and engr., 367 Lexington Ave., having preliminary sketches prepared brick, steel and stone, plain foundation, here. $350,000.

Wis., De Forest — High School — Bd. Educ., c/o Clerk, having plans prepared by E. Tough, archt., Conklin Bldg., Madison, 2 story, 60 x 120 ft., brick, rein.-con. and steel, plain foundation. $150,000.

Wis., Green Bay—Vocational School—Bd. Vocational Educ., 102 North Adams St., having plans prepared by Foeller, Schober & Stephenson, archts., Nicollet Bldg., 3 story and basement, 132 x 159 ft., brick, tile and concrete, plain foundation. $200,000. H. Stewart, dir.

Wis., Green Bay—Y. M. C. A.—Green Bay Y. M. C. A., c/o H. Joannes, 118 South Washington St., plans 6 story, brick, rein.-con. and steel, plain foundation. $350,000. Architect not selected.

Wis., Madison—Clinic—Jackson Clinic Co., 110 North Hamilton St., having plans prepared by F. H. Ellerbe, archt., 692 Endicott Bldg., St. Paul, Minn., 3 or 4 story, 75 x 200 ft., brick, rein.-con. and steel, plain foundation. Will also remodel present building. $250,000.

Wis., Viroqua—High School—Bd. Educ. having plans prepared by E. J. Hancock, archt., Laycock Bldg., Eau Claire, 3-4 story, brick, rein.-con. and steel, plain foundation. $150,000. C. F. Dahl, clk. Noted Sept. 28.

Ia., Cedar Rapids—Colliseum—American Legion and Chamber of Commerce, 1st Ave. and 2nd St., having plans prepard by B. Rugh, archt., 811 Security Bldg., 4 story and basement, 90 x 120 ft., rein.-con., brick, tile and stone. $250,000.

Ia., Ft. Dodge—Apartment and Store—T. G. Warden, Wahkonsa Hotel, takes bids in November, 8 story and basement, 100 x 140 x 150 ft., rein.-con., brick, tile and stone. $800,000. Damon, O'Meara & Hilis, 1123 Merchants' Bank Bldg., St. Paul, Minn., and Ft. Dodge (street address not available), archts.

Minn., Mankato—School—State Bd. Control, Capitol, St. Paul, having plans prepared by C. H. Johnston, archt., 715 Capital Bank Bldg., St. Paul, 3 story and basement rein.-con., brick, tile and stone, addition, (2nd unit). Teachers' State College, here. $250,000. D. F. Mullen, St. Paul, secy.

Minn., Minneapolis—Apartment—Ambassador Holding Co., c/o W. A. Walters, 220 East 19th St., having plans prepared by L. B. Bersback, archt., 708 Oneida Bldg., 3 story and basement, 40 ft. high, 237 x 241 ft. with two courts 100 x 120 ft. and 65 x 120 ft., joist construction, brick, concrete and tile, 3rd Ave. S., near Franklin Ave. $750,000.

Minn., Minneapolis—Club and Office—Business Women's Club, M. M. Cheney, pres., c/o Minneapolis School of Arts, plans 6 to 12 story, rein.-con., brick and tile, 2nd Ave. S. and 8th St. $700,000. A. Rose, 1007 Builders' Exchange, archt.

Minn., Virginia—Lodge and Temple—E. L. Barrett, chn. building com. Knights of Columbus, plans and takes bids about Jan. 15, 3 story and basement 50 x 120 ft., rein.-con. and steel, brick faced, 3rd St. $150,000. Architect not selected.

Wyo., Casper—Hotel—W. W. Ahlschlager, Inc., archts., 65 East Huron St., Chicago.

AVERAGE ACCEPTED BID PRICES ON FEDERAL AID PROJECTS DURING JULY, 1922

Following is statement issued by U. S. Department of Agriculture, Bureau of Public Roads, Washington, D. C., showing average accepted bid prices on Federal Aid Projects during July. Prices are given for items and materials furnished in place on the project. Gravel bids are listed by square or cubic yards, depending on the specifications of the various states. Prices of items or materials showing state-furnished cement and bitumen, which was was not included in the total cost of the item are marked *.

Geographic Divisions and States	Surfacing: Gravel Sq.Yd.	Gravel Rate	Bituminous Macadam Sq.Yd.	Bituminous Macadam Rate	Bituminous Concrete Sq.Yd.	Bituminous Concrete Rate	Pl. Cement Concrete Sq.Yd.	Pl. Cement Concrete Rate	Reinforced Cement Conc. Sq.Yd.	Reinforced Cement Conc. Rate	Steel: Reinforcing Bars Lb.	Reinforcing Bars Rate	Structural Lb.	Structural Rate	Cement Furnished By State: Barrels	Cement Furnished By State Rate
Totals for all states	207,886	$0.50	137,268	$1.64	217,491	$2.40	593,293	$2.09	961,502	$1.74	6,664,127	$0.04½	4,324,931	$0.08	252,416	$2.78
New England	630	1.30	86,730	1.41							31	0.10				
Maine																
New Hampshire																
Vermont											31	0.10				
Massachusetts	630	1.30	86,730	1.41												
Rhode Island																
Connecticut																
Middle Atlantic							27,397	1.36	185,755	1.71	1,393,750	0.03	1,171,800	0.12	155,570	3.09
New York							*27,257	1.36	*111,610	1.11	1,393,750	0.03	1,170,800	0.12	155,570	3.09
New Jersey							140	1.78	74,145	2.60			1,000	0.04		
Pennsylvania																
East North Central	72,158	0.48	50,538	2.00	41,555	2.34	328,906	1.89	706,608	1.66	1,548,077	0.04	579,310	0.06	30,365	1.60
Ohio			50,538	2.00			146,984	2.82	55,743	2.30	182,644	0.05	6,860	0.07		
Indiana																
Illinois							2,434	1.10	547,728	1.63	1,197,722	0.04	496,960	0.06		
Michigan	72,158	0.48			41,555	2.34	69,459	1.10	103,137	1.51	31,146	0.05	75,490	0.10	5	1.40
Wisconsin							110,029	1.18			136,565	0.03			30,360	1.60
West North Central	135,098	0.50			51,683	1.55	52,068	2.64	69,114	2.62	437,166	0.05	342,690	0.06		
Minnesota					16,761	2.16										
Iowa																
Missouri	135,098	0.50			34,922	1.25	52,068	2.64			92,334	0.05	154,370	0.07		
North Dakota											51,274	0.05	105,300	0.06		
South Dakota											139,601	0.04	83,020	0.07		
Nebraska																
Kansas									69,114	2.62	153,957	0.05				
South Atlantic					222,170	2.58	45,570	3.02			89,309	0.05				
Delaware																
Maryland																
Virginia																
West Virginia																
North Carolina					222,170	2.58	33,570	3.26			85,830	0.05				
South Carolina							12,000	2.34			3,479	0.04				
Georgia																
Florida																
East South Central					1,972	3.24					1,245,299	0.05	15,096	0.07		
Kentucky											15,488	0.04				
Tennessee											369,907	0.05	5,520	0.07		
Alabama					1,972	3.24					859,904	0.05	9,576	0.07		
Mississippi																
West South Central							8,739	2.65	25	2.52	987,532	0.05	272,400	0.07	59,045	2.62
Arkansas											32,700	0.05	97,400	0.07	48,000	2.55
Louisiana																
Oklahoma							8,739	2.65	25	2.52	459,310	0.05				
Texas											495,522	0.05	175,000	0.07	11,045	2.84
Mountain					111	2.50	118,015	2.21			241,163	0.08	43,635	0.06	1,152	3.17
Montana											20,933	0.07	37,300	0.06		
Idaho											3,205	0.09				
Wyoming																
Colorado					111	2.50	118,015	2.21			164,215	0.06	6,335	0.04		
New Mexico																
Arizona																
Utah											52,810	0.13			1,152	3.17
Nevada																
Pacific							12,600	1.83			721,800	0.05	1,900,000	0.08	6,284	2.94
Washington											210,000	0.06	1,900,000	0.08		
Oregon							12,600	1.83			495,500	0.05				
California											16,300	0.03			6,284	2.94

Buildings (Continued)

preparing plans rein.-con., brick and steel hotel, here. $750,000. Owner's name withheld.

Wyo., Cody—Hotel—W. W. Ahlschlager, Inc., archts., 65 East Huron St., Chicago, preparing plans rein.-con., brick and steel hotel, here. $750,000. Owner's name withheld.

Wyo., Sheridan—Hotel—W. W. Ahlschlager, Inc., archts., 65 East Huron St., Chicago, preparing plans rein.-con., brick and steel hotel, here. $750,000. Owner's name withheld.

Wyo., Thermopolis—Hotel—W. W. Ahlschlager, Inc., archts., 65 East Huron St., Chicago, preparing plans 5 story, rein.-con., brick and steel, here. $1,000,000. Owner's name withheld.

Mont., Billings—Hotel—W. W. Ahlschlager, Inc., archts., 65 East Huron St., Chicago, preparing plans rein.-con., brick and steel hotel, here. $750,000. Owner's name withheld.

Mo., St. Louis—High School—Bd. Educ., 9th and Locust Sts., having plans prepared by R. M. Milligan, archt. and engr., 506 Bd. Educ. Bldg., North Side High School, 3 story and basement, 410 x 410 ft., rein.-con. and brick, plain foundation, Natural Bridge Ave. from Vandeventer to Prairie Aves. $1,500,000.

Mo., St. Louis—Office—Famous Players Motion Picture Corp., c/o N. Frank, Arcade Bldg., having preliminary plans prepared by Hilfensteller, Hirsh & Watson, archts., 1003 Chemical Bldg., 12 story, 120 x 130 ft., Grand Blvd. and Lucas Ave. $800,000-$1,000,000.

Mo., St. Louis—Schools—Bd. Educ., 9th and Locust Sts., having preliminary plans prepared by R. M. Milligan, archt. and engr., 506 Bd. Educ. Bldg., 3 story, 95 x 220 ft., Penrose St. and North Kingshighway, $250,000, also 3 story, 95 x 221 ft., Arsenal St. and Kingshighway, $250,000-$275,000, both rein.-con. and brick, plain foundations.

Tex., Galveston—Library, etc.—Bd. Regents University of Texas, Austin, having plans prepared by H. M. Green Co., archts., North Texas Bldg., Dallas, 3 story and basement, 150 x 200 ft., library and classroom building rein.-con. and brick, plain foundation. $400,000. Power plant for which details are not yet available is included in above estimate.

Okla., Tulsa—Bank and Office—Central Natl. Bank, 2nd and Boston Sts., plan 16 story, 50 x 140 ft., brick, stone and rein.-con. $1,000,000. Architect not selected.

Idaho, Lewiston—Dormitory—State Dept. Educ., Boise, approved plans for Dormitory on campus of Normal School, here. $150,000. A. C. Price, business mgr.

Idaho, Moscow—Dormitories—University of Idaho Building Assn. having plans prepared by Whitehouse & Price, archts., Hutton Bldg., Spokane, Wash., 3 and 4 story, 59 x 150 ft. and 63 x 150 ft., dormitories on University campus, here. $200,000.

Calif., Crockett — School — Carquinez School Dist. having plans prepared by A. A. Brown, engr., c/o Matson Navigation Co., 120 Market St., San Francisco, 2 story, brick and concrete. $235,000. Noted Sept. 21.

Calif., Fresno—Schools—Plan election to vote on $2,000,000 bonds for general high school, 2 junior high schools and 6 elementary schools. R. Y. St George, city clk. Architect not selected.

Calif., Montebello—Schools—Voted $300,000 bonds for new schools.

Calif., San Francisco—Apartment—M. A. Feeley, 1945 Sutter St., had plans prepared by E. H. Denke, archt., 1317 Hyde St., 5 story and basement, rein.-con., Geary St. near Jones St. $150,000.

Calif., San Francisco — Church — Fifth Church of Christ Science, c/o C. Werner, archt., Santa Fe Bldg., having plans prepared rein.-con., O'Farrell St. and Shannon Pl. $150,000. Noted April 6.

Calif., San Francisco—Commercial—L. R. Lurie, Mills Bldg., plans 4 story, rein.-con., 7th and Folsom Sts. $250,000. Architect not selected.

Calif., San Francisco—Home—City and San Francisco Co. to vote on $2,000,000 bonds Nov. 21, for buildings at relief home. J. Reid, Jr., 1st Natl. Bank Bldg., city archt. Noted Aug. 31.

Calif., San Francisco—Hospital—Stanford University Hospital, Clay and Webster Sts., plans to raise $1,000,000 for new fireproof hospital and extensions to medical departments.

Calif., San Francisco—Schools—City and San Francisco Co. to vote on $12,000,000 bonds Nov. 21, for new schools and additions to present buildings. J. Reid, Jr., 1st Natl. Bank Bldg., city archt. Noted June 8.

BIDS DESIRED

Mass., Boston — Church — Oct. 20, by Hellenic Assn. of Boston, 46 Winchester St., 3 story and basement, 86 x 119 ft., Parker and Ruggles Sts. $250,000. H. S. Demoorjian, 340 Main St., Worcester, archt.

N. Y., Buffalo—Dining Room—Oct. 25, by State Hospital Comn., Albany, additional accommodations for patients at Buffalo State Hospital, here. L. F. Pilcher, Albany, state archt.; adv. this issue.

N. Y., New York—Apartment—A. Campagna, 200 West 72nd St., 6 story, 58 x 103 ft., brick, steel and stone, plain foundation, Riverside Dr. and 145th St. $300,000. Work will be done by separate contracts. Private plans.

N. Y., New York—Apartment Hotel—J. Axelrod & Co., 200 West 72nd St., 15 story, 87 x 102 ft., brick, steel and stone, plain foundation, 71st St. west of Central Park. Work will be done by separate contracts. Private plans.

N. Y., Patchogue—High School—Nov. 4, (change of date) by Bd. Educ., brick, steel and stone, plain foundation. $500,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs. Noted Sept. 28.

Buildings (Continued)

Pa., Bridgeton—High School—Bd. Educ. taking bids 2½ story, 69 x 164 ft. $200,000. H. C. Richards, 608 Chestnut St., Phila., archt. Former bids rejected.

Pa., Carrick (Pittsburgh, P. O.)—School—Nov. 4, by Bd. Educ. and Estep & Estep, archts., Century Bldg., Pittsburgh, 2 story and basement, 150 x 260 ft., brick and steel, Parkway Ave. Noted Aug. 10.

Pa., Phila.—Bank—Lawndale State Bank taking bids 1 story and basement, 37 ft. high, 35 x 66 ft., rein.-con., brick, steel and stone, plain foundation. Rising Sun Ave. and McGee St. $175,000. J. T. Brugger, 505 Chestnut St., archt.

N. C., Morgonton—Hospital—Oct. 24, by Building Comm. of State Hospital for Insane, constructing (1) building for women, (2) cold storage and ice plant, (3) mechanical equipment, piping, tracks, sheetwork, etc., for ice making and refrigerating plant. Address J. McCampbell, c/o C. C. Hook, archt., 207 Trust Bldg., Charlotte.

O., Cleveland—School—Nov. 6, by Bd. Educ., East 6th St. and Rockwell Ave., 3 story, brick, steel and concrete addition, West 10th St. and Tremont Ave. $600,000. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

O., Cleveland — Temple — Tifereth Israel Congregation, c/o L. M Wolf, Hickox Bldg., taking bids and opens same about Oct. 25, 1 and 3 story, brick, steel and concrete, East 105th St. and Ansel Rd. $300,000. Former bids rejected. C. R. Greco, Guardian Bldg., archt. Noted July 27.

Ind., Evansville—Hotel—Vandome Hotel Co. taking bids 6 story, brick addition, 3rd St. $300,000. F. J. Schlotter, 113½ Upper 4th St., archt. Noted Oct. 12.

Ind., Laporte—High School—Oct. 27, by School Bd., 2 story and basement, 165 x 198 ft., brick. $400,000. Miller, Fullenwider & Dowling, 6 North Michigan Ave., Chicago, archts. Noted Oct. 5.

Mich., Detroit—School—No. 56, by Bd. Educ., 2 story and basement, 28 ft. high, 171 x 191 ft. rein-con., brick and steel, Palmer Ave. $175,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Ill., Chicago—Church—J. W. McCarthy, archt., 139 North Clark St., receiving bids 1 story, 166 x 168 ft., rein.-con., brick and steel, 63rd St. near Fairfield St., for St. Rita of Casia Catholic Congregation. $300,000. J. F. Green, 6211 South Washtenaw Ave., pastor.

Ill., Chicago—Hotel—Holabird & Roche, archts., 104 South Michigan Ave., receiving bids 25 story, 173 x 402 ft., rein.-con., brick and steel, Michigan Blvd. between 7th and 8th Sts., for J. W. and E. J. Stevens, c/o Hotel La Salle. $15,000,000. Noted March 9.

Ia., Dubuque—Convent—Oct. 26, by Sisters of St. Francis, St. Marys Convent, 69 Emmett St., 4 story and basement, 56 x 170 x 288 ft., rein.-con., brick, tile and stone. $350,000 Damon, O'Meara & Hills, 1123 Merchants' Natl. Bank Bldg., St. Paul, Minn., archts. and engrs. Noted Aug. 24.

S. D., Rapid City—High School—Nov. 7 by Bd. Educ., 3 story and basement, 53 x 138 ft., rein.-con., brick, stone and tile $175,000. Perkins & McWayne, 322 Paulton Blk., Sioux Falls, archts.

Mo., St. Louis—Schools—Nov. 8, by Bd. Educ., 9th and Locust Sts., C. P. Walbridge Grade School, 2 story, 95 x 221 ft., Davison and Lilian Aves., $300,000, also Edward Long Grade School, 2 story, 95 x 221 ft. Morganford Rd. and Walsh St., $300,000, both rein.-con. and brick, plain foundations. R. M. Milligan, 506 Bd. Educ. Bldg., archt.

Tex., Beaumont—Church—Nov. 15, by Church Bd. of First Baptist Church, 2 story and basement, stone and brick, plain foundation. $150,000. Barnes & Barglebaugh, Houston, archts.

Tex., Houston—Temple—Gray & Temple Lodges, Box 515, taking bids 3 story and basement, rein.-con., tile and brick, plain foundation, Fannin and Clay Sts. $192,000. A. C. Finn, Carter Bldg., archt.

Ore., Portland—Apartment Hotel—Nov. 18, by Regent Apartment Hotel, c/o C. L. Linde, archt., Artisans Bldg., 9 story, 100 x 100 ft., rein.-con. $350,000.

BIDS RECEIVED

Mass., West Newton—(Boston P. O.)—School—City of Newton opened bids Oct. 2, 5 story and basement, brick, Waltham St., from C. H. Cunningham & Sons Co., 23 Central Ave., Lynn, $161,850, J. Slotnick, 448 Bway., Chelsea (Boston P. O.), $162,000; C. S. Cunningham & Sons Constr. Co., 80 Boylston St., Boston, $163,670.

N. Y., New York — Court House — H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., opened bids Oct. 9, brick, steel and stone, plain foundation, East 161st St. between Washington and Brook Aves., from L. M. Neckerman, Inc., 103 Park Ave., $255,000; Willete Constr. Co., $257,000; Newenhous Co., Inc., $258,092. Noted Oct. 5.

Ind., Indianapolis—Hospital and Nurses' Home—Bd. Health, 4-story hospital addition, 3 story and basement, 44 x 136 ft. with 36 x 40 ft. wing, 4 story nurses' home, 40 x 197 ft. with 38 x 48 ft. wing, both rein.-con., brick and hollow tile, Margaret St., from Cornell Eng. Co., 2611 Cornell St., $320,000; Karstedt Constr. Co., 429 Lemcke Bldg., $320,000; L. Colvin, 16th and Meridian Sts., $332,320. Noted Oct. 5.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., opened bids 2 story and basement, 120 x 130 ft. and 67 x 180 ft. rein.-con., brick and steel, plain foundation, Clinton and Chene Sts., from F. H. Goddard, 2130 Franklin St., $726,192; F. N. Cooper, 6370 Gratiot Ave., $729,885; Corrick Bros., 507 Owen Bldg., $746,848. Noted Oct. 5.

Ia., Des Moines — Schools — Bd. Educ. opened bids Sept. 29, general contract (1) Adams School, 2 story and basement, 36 x 85 ft., East 29th and Douglas Sts. (2) Monroe School, 2 story and basement, 35 x 90 ft., 30th and Hickman Sts., both brick and concrete, from Benson Constr. Co., 422 Valley Natl. Bank Bldg., (1) $44,000 (2) $42,000; Sugarman Constr. Co., 8th and Tuttle Sts., (1) $44,350; J. E. Tusant & Son, 330 Southwest 3rd St., (1) $44,612; P. H. Zohbon, Des Moines (street address not available) (2) $36,821; Western Constr. Co., 716 Park St., (2) $43,200. Noted Oct. 12.

Calif., Oakland—High School—Bd. Educ., Theodore Roosevelt High School, general contract from R. W. Littlefield, 357 12th St., $365,300, W. G. Thornally, 351 12th St., $368,544, M. C. Vaughan, 351 12th St., $378,925; brick and terra cotta, from H. Beckwith, 323 Newton Ave., $57,340, White & Floor, 180 Jessie St., San Francisco, $58,640, Mealey & Collins, 180 Jessie St., San Francisco, $59,600. Noted Sept. 28.

Calif., Sacramento—Library, etc.—State Dept. Pub. Wks., constructing library, court and office buildings, carpentry and mill work from Reilly & Nemetz, 180 Jessie St., San Francisco, $166,200; electric work from Butte Electric & Mfg. Co., 534 Folsom St., San Francisco, $25,750; ornamental iron and miscellaneous iron and bronze work, from Monarch Iron Wks., 262 7th St., San Francisco, $94,685; metal furring, lath and plaster and imitation stone, from P. Bradley, 180 Jessie St., San Francisco, $169,800; sheet metal and skylights from Forderer Cornice Wks., 269 Potrero Ave., San Francisco, $32,740; complete mechanical equipment, from Latourette-Fical Co., 907 Front St., $90,000, Scott-Lyman & Stack, 421 J St., $139,612, Goold & Johns, 436 East Maple St., Stockton, $161,000; plumbing and drainage systems, from Latourette-Fical Co., 907 Front St., $32,327, Hateley & Hateley, Mitau Bldg., $41,585, Luppin, Hawley & Thing, 906 7th St., $43,970; interior stone work, from Bruner Marble & Tile Co., Marsh-Strong Bldg., Los Angeles, $34,100; marble, mosiac and terrazzo, from American Marble & Mosiac Co., 25 Columbia Sq., San Francisco, $222,400. Noted Sept. 7.

CONTRACTS AWARDED

Mass., Worcester—High School—School Bd., 3 story, 181 x 268 ft. brick, concrete and steel, plain foundation, Arthur, Grafton and Dorchester Sts., to L. Rocheford & Son, 44 Front St. Archts. est. $700,000. Noted Aug 31.

Conn., West Hartford (Hartford P. O.)—High School—B. I. Miller, town mgr., 2 story and basement, 200 x 210 ft., rein.-con., steel and brick, plain foundation, South Main St., to Johnson-Wester Co., 167 Washington St., Hartford, $429,162. Archts. est. $450,000. Noted Oct. 12.

N. Y., Glens Falls—School—Bd. Educ. brick, steel and stone, plain foundation, to C. P. Boland & Co., 30 4th St., Troy. Archts. est. $250,000. Noted Sept. 14.

N. Y., New York—Apartment—Greenwich Village Building Corp., c/o J. M. Felson, archt. and engr., 1133 Bway., 9 story, 80 x 102 ft., brick, steel and stone, plain foundation, 15-19 West 11th St., by day labor. $500,000.

N. Y., New York — Synagogue — S. B. Eisendrath, archt. and engr., 18 East 41st St., 4 story, brick, steel and stone plain foundation, 28 West 68th St., to G. Richard Davis & Co., Inc., 30 East 42nd St., for Congregation of Free Synagogue, c/o architect. Archts. est. $200,000. Noted Aug. 10.

N. Y., Port Jervis — High School — Bd. Educ., brick, steel and stone, plain foundation, to Moody Constr. Co., 90 West St., New York. Archts. est. $400,000. Noted Aug. 31.

N. J., Atlantic City—Hotel—W. M. Stanton, archt., 1524 Chestnut St., Phila., 6 story and basement, 69½ x 41 ft., rein.-con., brick and steel, caisson foundation, Kentucky Ave., here, to N. W. Krueger, 132 South New York St., for S. K. Bonifacc New Clarion Hotel Archts. est $500,000. Noted Aug. 10.

Pa., Braddock — Church — St. Peter and Pauls Catholic, Congregation, 1 and 2 story brick, steel and stone, to Kemena Lumber Co., Ambridge. $150,000.

Pa., Johnstown — High School — School Dist., 601 Swank Bldg., 3 story and basement, concrete and brick, 8th Ward, to Gilpatrick-Dawson Co., Maple Park and Jacoby Sts., $348,000. Noted Sept. 28.

Pa., Lykens—Lodge—C. P. Berger, archt., 1422 South Penn Sq., Phila., 3 story and basement, 49 x 140 ft. brick, steel and stone, plain foundation, to Shamokin Lumber Co., Shamokin, for L.O.O.M. 1176. Archts. est. $150,000. Noted Aug. 24.

Pa., Phila.—Apartment—Walace & Warner, 1012 Walnut St., 4 story and basement, 64 x 109 ft. rein.-con., brick and steel, plain foundation. Overbrook Ave., to Merion Constr. Co., 2313 Walnut St. Archts. est. $350,000.

Pa., Phila. — Bank — Northern Central Trust Co., Broad St. and Erie Ave., 1 story and basement, 51 x 106 ft., cut stone and granite, plain foundation, Broad St. and Erie Ave., to H. E. Baton, 1713 Sanson St. Archts. est. $150,000.

Pa., Phila.—Sales, etc—Nash Motor Co., 901 North Broad St., 5 story and basement, 75 x 160 ft., sales building and service station, cut stone, plain foundation, Broad and Thompson Sts., to Turner Constr. Co., 1713 Sanson St. Archts. est. $300,000.

Pa., Pittsburgh—Theatre and Office—Steel City Amusement Co., 801 Wylie Ave., general contract, 3 story and basement, 60 x 170 ft., brick, Center and Montrose Aves., to Tri State Constr. Co., 810 East McLamore Ave., Memphis, Tenn. Archts. est. $150,000. Noted April 6.

Pa., Sharon—High School—Bd. Educ. general contract for high school to C. Shutrump & Sons Co., 407 Home Savings & Loan Bldg., Youngstown, Ohio. $407,000.

Pa., Vandergrift — High School — Bd. Educ., 2 story and basement, addition, Franklin Ave., general contract to Natl. Concrete Fireproofing Co., Citizens' Bldg., Cleveland, O., $114,600. Archts. est. $155,000. Noted Sept. 21.

D. C., Wash.—Apartment-Hotel—F. H. Smith Co., 815 15th St., is interested in syndicate (comprising several financial concerns) which has awarded contract for apartment-hotel, "Roosevelt," to Boyle-Robertson Constr. Co., Evans Bldg., $300,000.

D. C., Wash.—Office—C. Gilbert, archt., 244 Madison Ave., New York City, general contract stone, brick and steel office building, here, to J. Stewart, 30 Church St., New York City, for U. S. Chamber of Commerce, c/o L. A. Skinner, secy., Mills Bldg. Archts. est. $1,500,000. Noted Sept. 14.

W. Va., Bluefield—Hospital—St. Lukes Hospital, Bland St., 5 story and basement, 45 x 130 ft., rein.-con., stone, brick and steel, to C. W. Hancock & Sons, Lynchburg, Va., and Bluefield. Archts. est. $150,000. Noted Aug. 17.

Ga., Atlanta—Hotel—Dinkler Hotel Co., 12 story and basement rein.-con. addition to Ansley Hotel on Forsyth St., to H. J. Carr & Co., Chandler Bldg., $270,000. Noted Aug. 24.

O., Canton—Bank and Office—First Natl. Bank, Market Ave. and Tuscarawas St., S.W., 14 story, 85 x 87 ft., brick, steel and concrete, to Walbridge-Aldinger Co., Penobscot Bldg., Detroit, Mich. Archts. est. $1,000,000. Noted Aug. 17.

O., Cleveland—Commercial—Upper Euclid Co, c/o W. A. Greenlund, Williamson Bldg., 2 story and basement, 60 x 150 ft., brick, steel, stucco and marble, 9999 Euclid Ave., to Craig-Curtiss Co., 4614 Prospect Ave. Archts. est. $175,000. Noted Sept. 28.

O., Cleveland—Hotel—Hotel St. Regis Co., c/o G. Hale, 621 Hanna Bldg., will alter 6 story, 8205 Euclid Ave., by day labor. $200,000. H. T. Jeffrey, 621 Hanna Bldg., archt.

O., Cleveland—Store and Office—J. Babin, 8272 Superior Ave., 2 story and basement, 60 x 234 ft., brick and steel, 9701 Euclid Ave., to Piscopi Constr. Co., Murray Hill Rd. Archts. est. $200,000.

Mich., Detroit—Apartment—P. Gordon, 1037 Detroit Savings Bank Bldg., 3 story and basement, 36 ft. high, 75 x 100 ft., con-

Buildings (Continued)

crete, brick and steel, plain, foundation. Medbury Ave., to W. S. Pocock, 815 Hammond Bldg., $160,000.

Mich., Mt. Pleasant—Dormitory—T. E. Johnson, secy. State Bd. Educ., Lansing. 3 story and basement, concrete, brick and steel, plain foundation, to Prost, Forde & Westall, Penobscot Bldg., Detroit, $179,000. Noted Sept. 28.

Ill., Chicago — Hall, Store and Office — Maccabees Council of Austin, c/o C. A. Eckstrom, archt., 5 North La Salle St., 2 story, 120 x 128 ft., rein.-con., brick and steel, Chicago Ave. and Woller St., to F. O. Johnson, 4856 Christiana Ave. Archts. est. $200,000.

Ill., Chicago—Hotel—E. L. Ohrman c/o J. E. O. Pridmore, archt., 38 South Dearborn St., first unit 10 story, 160 x 348 ft., rein.-con., brick and steel, Bway. and Sheridan Rd., to Caldwell & Son Co., 508 State Savings and Trust Bldg., Indianapolis, Ind. Second unit, will be 100 x 348, third unit 83 x 348. Archts. est. $5,000,000.

Ill., Chicago—Store, Office and Apartment—Levy & Kline, archts., 111 West Washington St., 2 story, 82 x 227 ft., rein.-con., brick and steel, State St. and Bellevue Ave., to Kadeshewitz & Buckel, 1305 Independence Blvd. Archts. est. $500,000.

Ill., Evanston — Museum and Library—Garret Biblical Institute, 2 story and basement, rein.-con., brick and steel, to A. Brundage, 110 South Dearborn St., Chicago. Archts. est. $600,000. Noted Aug. 18, 1921.

Wis., Milwaukee—Lodge and Club—Owl Realty Co., c/o T. C. Massett, 67 Keefe Ave., 2 story and basement, brick and concrete, plain foundation, Port Washington Rd., to H. Schmitt & Son, 430 Farwell Ave. Archts. est. $150,000.

Ia., Bloomfield—School—Bd. Educ., gen-contract, 2 story and basement, rein.-con., brick, tile and stone, to Garmer-Stiles Co., 519 14th St., Des Moines, $130,000. Noted Sept. 21.

Ia., Cedar Rapids—Junior High School—Bd. Educ., general contract 3 story and basement, 160 x 200 ft., rein.-con., brick, tile and stone, 20th St. and Ave. B, East, to T. Stark & Co., 118 South 11th St., $307,577. Noted Sept. 14.

Ia., Des Moines—Apartment—C. H. Eddy, 26th and Clark Sts., 3 story and basement, 65 x 118 ft., rein.-con., brick and stone, Park Blvd. and Lakeview Ave., to W. F. Kucharo & Co., 622 Hubbell Bldg., $230,000.

Ia., Waterloo — Apartment — Walnut Realty Co., 302 Walnut St., general contract 4 story and basement, 100 x 230 x 315 ft., brick, steel, stone and tile, Walnut, Pine and Iowa Sts., to H. Evers, 656 Builders Exch. Bldg., Minneapolis, Minn., about $228,000. Noted Oct. 5.

Minn., Duluth—Hotel—Andray Hotel Co., c/o Quigley & Doran, Andray Hotel, Hibbing, 12 story, 100 x 140 ft., rein.-con., brick, stone and terra cotta, 1st St. and 4th Ave. W., here, to Jacobson Bros., 619 Columbia Bldg., $1,500,000.

Minn., St. Paul — High School — Dept. Educ., City Hall, general contract 3 story and basement, 150 x 250 ft., with 1 story, 48 x 90 ft. wing, rein.-con., brick, tile and stone, to Gauger-Korsmo Constr. Co., 301 Endicott Bldg., $282,981. Noted Oct. 12.

Neb., Beatrice—Hotel—Paddock Hotel, c/o W. H. Hepperlen, 5 story, 75 x 142 ft., 6th and Court Sts., to J. Black Masonry & Contg. Co., World Theatre Bldg., Omaha. Archts. est. $300,000.

Mo., St. Louis—High School—Bd. Educ., 9th and Locust Sts., general contract, Theodore Roosevelt High School, 3 story and basement, 410 x 410 ft., rein.-con. and brick, plain foundation, Hartford St. between Louisiana and Compton Aves., to E. C. Gerhard Bldg. Co., Post-Dispatch Bldg., $1,148,000; blast fan heating and ventilating system, tunnel distribution, 3 air fans, heating and ventilating pumps, etc., to Sodemann Heat & Power Co., 2306 Morgan St., $117,847; electric wiring, conduits, silent calls, to W. C. Burton Electric Co., 1532 Olive St., $57,000.

Mo., St. Louis—Hospital—Liberty Hospital Assn., Pendleton and Delmar Aves., 4 story, 40 x 200 ft., brick and concrete, Washington and Taylor Aves., to H. O. Hirsch Co., Wainwright Bldg. Archts. est. $250,000.

Utah, Salt Lake City—Bank and Office—Continental Bank, 21 East 2nd St., and Natl. Bank of Republic, Main St., 20 story, Main and 2nd St., S., to P. J. Walker Co., Monadnock Bldg., San Francisco, Calif., $1,250,000. Noted June 20.

Calif., San Francisco — Apartment — D. McKillop, 540 Cole St., will build 5 story

WATER SUPPLY PROJECT—TULSA, OKLA

Bids were opened Sept. 25, by city, for constructing major portion of Spavinaw Water Supply Project, Contr. No. 3, Spavinaw Dam, (A) Engineer's Estimate; (B) Standard Paving Co., 321 North Boston St., (awarded contract); (C) Allied Contractors, Inc., Omaha, Neb.; (D) O'Rourke Eng. Co., Tulsa; Contr. No. 4, 60 in. concrete conduit, (A) Engineer's Estimate, (B) Byrne Bros. Constr. Co., Chicago; (C) Smith Bros., Dallas; (D) Walbridge-Aldinger Co., 2356 Penobscot Bldg., Detroit, (awarded contract); Contr. No. 5, tunnel and approaches, (A) Engineer's Estimate; (B) Williams Bros., Tulsa; (C) Standard Paving Co., (awarded contract); (D) Byrne Bros., Chicago; Contr. No. 7, Mohawk Reservoir, (A) Engineer's Estimate; (B) R. M. Davies & Son, Tulsa, (awarded contract); (C) Allen & Harrison, Okmulgee; (D) L. O. Hales, Topeka; Contr. No. 11, high pressure reservoir, (A) Engineer's Estimate; (B) Trailor-Dewey Contg. Co., Tulsa; (awarded contract on gunite floor); (C) Standard Paving Co. The unit bids were as follows:

Contract No. 3	A	B	C	D
16,400 cu.yd. earth excavation	$0.50	$0.50	$0.25	$0.50
4,800 cu.yd. earth excavation in core wall trench	1.00	.75	.25	.50
2,300 cu.yd. shale excavation	1.00	1.20	1.00	1.50
1,600 cu.yd. rock excavation above elevation 631	3.00	3.00	1.50	2.00
2,500 cu.yd. rock excavation below elevation 631	6.00	5.00	3.50	4.00
1,750 cu.yd. rock excavation in cut-off and core wall trench	6.00	7.50	4.50	4.00
182,000 cu.yd. embankment earth section of dam	.40	.30	.30	.40
2,200 squares grassing	2.20	1.00	1.00	1.30
15,000 sq.yd. stone paving	1.50	2.50	1.50	1.00
2,500 cu.yd. broken stone or gravel backing	1.75	1.75	1.50	1.00
100 lin.ft. drilled holes in rock or masonry	2.00	1.00	1.00	5.00
57,400 cu.yd. cyclopean concrete	7.00	6.50	7.50	6.96
13,660 cu.yd. class "C" concrete	9.00	9.50	9.00	11.00
8,100 cu.yd. class "D" concrete	10.50	10.00	10.25	9.50
1,260 cu.yd. class "E" concrete	16.00	12.00	11.20	17.00
100 cu.yd. grout	30.00	30.00	30.00	20.00
4,000 lb. reinforcing steel	.06	.05	.07	.05
24 tons B. & S. cast iron pipe and specials	120.00	90.00	120.00	100.00
42 tons flanged pipe and specials	150.00	125.00	150.00	90.00
1,000 lb. cast iron soil pipe and specials	.15	.07	.15	.07
Sluice gates (lump sum)	4,200.00	4,150.00	4,200.00	3,000.00
Gate House and concrete balustrade, superstructure above elevation 692 (lump sum)	16,590.00	16,750.00	17,400.00	18,000.00
Stop planks (lump sum)	550.00	500.00	550.00	2,000.00
Screens and racks (lump sum)	2,450.00	2,500.00	2,450.00	2,400.00
Crane (lump sum)	1,300.00	1,500.00	1,500.00	3,500.00
Iron castings (lump sum)	2,400.00	2,400.00	2,400.00	2,000.00
48-in. Venturi meter (lump sum)	5,000.00	5,000.00	5,000.00	2,000.00
400 lb. copper for expansion joints	.60	.45	.50	.60
Drainage for berm (lump sum)	500.00	500.00	500.00	2,000.00
2,800 sq.ft. granolithic finish	.20	.25	.20	.25
Extended totals	$825,365	$787,610	$807,722	$820,334

Contract No. 4	A	B*	C*	D*
100 acres clearing right-of-way	$50.00	$25.00	$50.00	$25.00
184,000 cu.yd. earth excavation	.33½	.16	.44	.30
1,400 cu.yd. shale excavation	1.50	3.00	.65	1.00
15,000 cu.yd. loose rock excavation	.50	1.25	.65	1.00
26,000 cu.yd. solid rock excavation	3.50	4.00	2.00	3.50
100,000 cu.yd. backfill	.15	.10	.20	.20
147,600 lin.ft. 60-in. pre-cast reinforced concrete pipe laid in trench	13.11	9.51	11.60	12.55
30 cu.yd. concrete in beams for pipe support	30.00	15.00	40.00	40.00
50 cu.yd. concrete in piers and culverts	40.00	15.00	40.00	40.00
200 cu.yd. extra concrete	20.00	15.00	40.00	20.00
70 ton cast iron bends or specials	100.00	200.00	180.00	140.00
25,000 cu.yd. drainage ditches	.30	.20	.50	.30
Spavinaw Creek Crossing exclusive of pipe (lump sum)	4,000.00	4,000.00	22,000.00	10,000.00
Grand River Crossing exclusive of pipe (lump sum)	30,000.00	55,000.00	64,000.00	45,000.00
Wolfe Creek Crossing exclusive of pipe (lump sum) bid	3,000.00	2,500.00	2,500.00	10,000.00
Pryor Creek Crossing exclusive of pipe (lump sum)	15,000.00	3,000.00	5,000.00	10,000.00
Extended totals	$2,200,858	$1,660,266	$2,010,580	$2,136,980

Contract No. 5	A	B	C	D
6,950 lin.ft. excavation for tunnel 84-in. diameter	$17.00	$16.70	$18.50	$24.70
6,950 lin.ft. lining tunnel with 6-in. concrete lining	15.00	14.87	14.75	10.00
55,000 cu.yd. earth excavation in approach cuts	.30	.27½	.30	.15
2,700 cu.yd. shale excavation in approach cuts	1.50	1.50	.75	3.00
100 cu.yd. loose rock excavation in approach cuts	1.50	1.50	1.25	3.00
5,000 cu.yd. solid rock excavation in approach cuts	3.50	3.00	3.00	4.00
1,400 cu.yd. concrete in 84-in. monolithic conduit in solid rock	28.00	26.70	25.00	17.00
8,100 cu.yd. backfill on 84-in. conduit	.20	.15	.20	.10
90 cu.yd. concrete in place in overflow wier and "Y" connections	32.00	30.00	30.00	25.00
Extended totals	$305,150	$295,031	$304,057	$304,675

Contract No. 7	A	B	C	D
40 acres clearing	$50.00	$50.00	$50.00	$25.00
30 acres grubbing	70.00	150.00	70.00	60.00
15,000 cu.yd. stripping where excavation is not required	.80	.50	.60	.40
8,800 cu.yd. earth excavation for diversion canal	.30	.27	.35	.35
350 cu.yd. earth excavation for core wall's and pipe lines	1.00	.75	1.00	.60
450 cu.yd. shale excavation for core walls and pipe lines	2.00	1.25	2.00	.90
560 cu.yd. concrete in core walls and gate chambers	18.00	18.00	15.00	18.00
Laying cast iron pipe and installing valves furnished by the city (lump sum)	4,000.00	4,500.00	4,500.00	1,600.00
300 000 cu.yd. earth embankment for reservoir	.40	.24½	.32	.36
2,500 cu.yd. earth embankment for diversion levee	.40	.27	.35	.30
Extended totals	$155,070	$105,956	$127,205	$132,925

Contract No. 11	A	B	C
3,900 cu.yd. earth excavation for reservoir	$0.50	$0.45	$0.35
70 cu.yd. earth excavation in trenches	1.00	.45	.75
28,200 cu.yd. sandstone excavation for reservoir	1.50	1.70	1.25
650 cu.yd. sandstone excavation in trenches, gate house and column footings	2.00	1.70	1.50
1,450 squares grassing and placing loam	4.00	1.70	3.50
2,700 cu.yd. concrete class "A"	18.00	15.00	18.00
350 cu.yd. concrete class "B"	20.00	15.00	25.00
1,350 cu.yd. concrete class "C"	16.00	14.96	17.50
64,700 sq.ft. gunite 3-in. thick	.33¼	.35	.45
481,600 lb. reinforcing steel	.03½	.04½	.04
Laying pipe, setting valves, floor stands, etc. (lump sum)	1,900.00	3,360.00	1,850.00
2,100 lin.ft. tile drain	.20	.30	.18
Gate House, super-structure (lump sum)	4,000.00	3,200.00	4,000.00
Extended totals (concrete floor)	$150,592	$148,105	$149,185
Extended totals (gunite floor)	150,592	150,554	154,675

Buildings (Continued)

and basement, 45 x 100 ft. concrete, Geary St. near Hyde St., by day labor. $150,000. Private plans.

Calif., San Francisco — Apartment — Sacramento-Powell Co., c/o Macdonald & Couchot, archts., 234 Pine St., 9 story and basement, rein.-con., Powell and Sacramento Sts., to Macdonald & Kahn, 130 Montgomery St., $500,000.

Calif., San Francisco—Church—Fourth Church of Christ Scientist, 1 story, rein.-con., Funston Ave. near Clement St., general contract to C. Coburn, 180 Jessie St.; concrete work to Mission Concrete Co., Call Bldg. Noted Aug. 24.

Calif., San Francisco—Hotel—Whitcomb Estate, Whitcomb Hotel, 7 story and basement, rein.-con., addition, (102 bedrooms and 114 bathrooms) Market St. near 8th St., to Macdonald & Kahn, 130 Montgomery St., $275,000.

Calif., San Francisco—Office, etc.—MacDonald & Kahn, 130 Montgomery St., will build 3 story, 182 x 275 and 50 x 218 ft., concrete office, studio and workshop, on block bounded by Pierce, Steiner, Turk and Eddy Sts., by day labor. $200,000. Foster & Kleiser Co., 287 Valencia St., lessee. Weeks & Day, 921 California Insurance Bldg., archts.

Calif., San Francisco—Store and Apartment—G. D. Smith, 735 Taylor St., 10 story, rein.-con., Sutter St. near Taylor St., to Clinton Constr. Co., Townsend St., $500,000. Noted July 12.

Que., Montreal—City Hall—Steel work for new city hall, Notre Dame St., to Dominion Bridge Co., Lachine, $124,450. Noted Oct. 12.

Ont., London—Art—J. M. Moore, archt., 489 Richmond St., 3 story, 100 x 300 ft. stone, also 2 story, 60 x 100 ft. central heating plant, Western University, to P. H. Secord & Sons, 133 Nelson St., Brantford. $308,000 and $50,000, respectively, cement smoke stack to Weber Chimney Co., 332 South Michigan Ave., Chicago, Ill. Noted Aug. 10.

Federal Government Work

PROPOSED WORK

R. I., Providence—Repairing Jetty—U. S. Engineer rejected bids repairing east jetty at entrance to Nantucket Harbor, Mass. Noted Sept. 28.

N. Y., Tupper Lake—Hospital—Spec. 4710—Bureau Yards & Docks, Navy Dept., Wash., D. C., for administration and subsistence buildings, infirmary, 5 ward buildings and power house at U. S. Veterans' Hospital, here, (1) work complete from G. Dekimpe, 141 Summit Ave., West Hoboken, N. J., (1) $1,425,000 (360 days) (2a) deduct $1,500 (2c) add $3,800 (2d) add $6,650 (2e) deduct $500 (2f) add $5,000 (2g) add $32,550 (2h) add $10,000 (3) $80; power house tunnels to be completed within 200 days; Northeastern Constr. Co., 101 Park Ave., New York (1) $1,478,000 (360 days) (2a) add $1,600 (2b) add $347 (2c) add $4,507 (2d) add $4,700 (2e) deduct $1,346 (2f) add $24,418 (2g) add $15,000 (2h) $4,700 (3) $2 per car; William Sutherland Building Co., 408 Compton Bldg., St. Louis, Mo., (1) $1,575,000 (360 days) (2a) deduct $1,900 (2b) add $2,200 (2c) add $5,680 (2d) add $6,000 (2e) deduct $400 (2f) deduct $10,000 (2g) deduct $12,500 (2h) add $5,000 (3) $50 per car. All bids rejected. Will readvertise. Noted Sept. 21.

H. T., Pearl Harbor—Refrigerating and Ice-Making Plant — Spec. 4735 — Bureau Yards & Docks, Navy Dept., Wash., D. C., soon receives bids refrigerating and ice-making plant, at Naval Operating Base, here. Noted Oct. 12.

BIDS DESIRED

N. Y., Tupper Lake—Equipment—Spec. 4721—Nov. 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., coal and ash handling equipment at U. S. Veterans Hospital, here.

N. Y., Tupper Lake—Equipment, etc.—Spec. 4720—Nov. 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating equipment, etc., at U. S. Veterans Hospital, here. R. E. Bakenhus, acting chief of Bureau; adv. this issue.

N. Y., Tupper Lake—Mechanical Equipment, etc.—Spec. 4719—Nov. 15 by Bureau Yards & Docks, Navy Dept., Wash., D. C., mechanical equipment, etc., for U. S. Veterans Hospital, here. R. E. Bakenhus, acting chief of Bureau; adv. this issue.

N. Y., Tupper Lake—Radial Brick Stack—Spec. 4722—Nov. 15 by Bureau Yards & Docks, Navy Dept., Wash., D. C., for radial brick stack, at U. S. Veterans Hospital, here. R. E. Bakenhus, acting chief of Bureau; adv. this issue.

N. Y., Tupper Lake—Water Tank—Spec. 4724—Nov. 15 by Bureau Yards & Docks, Navy Dept., Wash., D. C., for steel tank, tower, etc., U. S. Veterans Hospital, here. R. E. Bakenhus, acting chief of Bureau; adv. this issue.

Md., Annapolis—Deferrization Plant, etc.—Spec. 4682—Nov. 1 by Bureau Yards & Docks, Navy Dept., Wash., D. C., deferrization plant and high power radio station, here. Noted July 6.

Va., Yorktown — Standpipe, etc. — Spec. 4609—Nov. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., standpipe and piping, here.

N. C., Cape Hatteras (Hatteras P. O.)—Extension, etc.—Spec. 4706—Oct. 25 by Bureau Yards & Docks, Navy Dept., Wash., D. C., for extension to barracks and painting, here. Noted Sept. 28.

N. D., Fargo—Extension, etc.—Nov. 6, by Treas. Dept., Wash., D. C., extension to workroom and mailing vestibule, etc., U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Idaho, Boise—Pumping Units—Dec. 6 by U. S. Recl. Service, Denver, Colo., for 2 direct pumping units for Black Canyon pumping plant, here. M. Bien, acting dir.; adv. this issue.

Nevada—Road—Oct. 31 by C. H. Sweetser, dist. engr., U. S. Bureau Pub. Rds., 881 Mills Bldg., San Francisco., Calif., grading and building structures on Currant Creek Rd. in Nevada Natl. Forest, here, 44.5 acres clearing and grubbing, 3,000 cu. yd. rock and 45,000 cu.yd. earth excav., 260 cu. yd. Class B concrete, etc. Former bids rejected. Noted Sept. 21.

Calif., Chollas Heights—Gas Tank, etc.—Spec. 4714—Nov. 8 by Bureau Yards & Docks, Navy Dept., Wash., D. C., for gas tank and pumps, here.

Calif., San Jose—Extension, etc.—Nov. 7, by Treas. Dept., Wash., D. C., extension to building and driveway at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

BIDS RECEIVED

N. Y., Chelsea—Treas. Dept., Wash., D. C., construction, of infirmary group for U. S. Veterans Hospital, here, (1) work complete, from Northeastern Constr. Co., 101 Park Ave., New York, (1) $415,697 (2) $220,697 (3) $419,274; M. Serreto, 3 Tremont Row, Boston, Mass., (1) $423,000 (2) $231,000 (3) $429,000; Rosenthal Eng. & Contg. Co., 228 Jackson St., Brooklyn, (1) $439,997 (2) $219,495 (3) $386,370; mechanical equipment for above, from S. W. Rittenhouse, 1327 Taylor St., N. W., Wash., D.C., (1) $124,333 (2) $157,498 (3) $70,228; W. G. Cornell Co., 19 Patterson St., Wash., D. C., (1) $137,300 (2) $169,700 (3) $68,557; S. Faith & Co., 2427 Pennsylvania Ave., Phila., Pa., (1) $142,000 (2) $179,000 (3) $73,600. Noted Sept. 28.

W. Va., Charlestown—Post Office—Treas. Dept., Wash., D. C., construction incl. mechanical equipment of U. S. Post Office, here, from E. G. Heflin, 23 Law Bldg., Fredericksburg, Va., $59,381; Pearce Bros., 220 West 42nd St., New York City, $62,220; Deitrick & Devault, Canton, O. (street address not available) $65,720. Noted Sept. 14.

Idaho—Bridge—District Engineer, U. S. Bureau Pub. Rds., Missoula, Mont., 2 timber pile trestle bridges on Wolf Lodge Bay, Beauty Bay and Lake Coeur d' Alene, Kootenai Co., here, one 1,615 x 18 ft. with 133 wye connections and other 57 x 18 ft., from A. B. Lafferty Tug Line, Coeur d' Alene, $22,863; H. H. Boomer, 515 Zeigler Bldg., Spokane, Wash., $25,434; Siems & Carlson, 412 Realty Bldg., Spokane, Wash., $26,112.

Idaho—Roads—District Engineer, U. S. Bureau Pub. Rds., Missoula, Mont., improving 7.36 mi. Kootenai-Cabinet, Hope-Pack River, Sect. N.F.R., Bonner Co., 42,000 cu.yd. earth and 137,000 cu.yd. rock excav., 29.5 acres clearing, 7.36 mi. finishing, etc., from Sloan Constr. Co., 210 Columbia Bldg., Spokane, Wash., $172,409, Pacific Coast Paving Co., 910 Rust Bldg., Tacoma, Wash., $187,040, Montague-O'Reilly Co., 11 North 6th St., Portland, Ore., $193,916; 7.14 mi. North Pacific Highway, Cataldo-Schoolhouse Sect. N.F.R., Kootenai Co., 80,700 cu.yd. earth and 22,900 cu.yd. rock excav., 20 acres clearing, 7.14 mi. finishing, etc. from General Constr. Co., 307 Spokane Savings & Loan Bldg., Spokane, Wash., $69,225, H. S. Barr, Colfax, Wash., $74,917, H. H. Boomer, 515 Ziegler Bldg., Spokane, Wash., $78,800.

Wash., Olympia—Bridge—C. H. Purcell, dist. engr. U. S. Bureau Pub. Rds., Post Office, Portland, Ore., Dosewallips River Bridge near Olympia Natl. Forest, Jefferson Co., here, 240 ft. steel truss span with two 32 ft. concrete approach spans, from Ward & Ward, Inc., Tacoma, (street address not available) $41,355; Owens Bros., Port Angeles, $41,750; Amer. Pile Driving Co., Everett, $42,153.

California — Road — C. H. Purcell, dist. engr. Bureau Pub. Rds., Post Office, Portland, Ore., grading 12.8 mi. Grants Pass-Crescent City Highway, Del Norte Co., here, (A) concrete pipe, concrete headwalls (b) corrugated pipe, rubble masonry headwalls, from Pacific Coast Paving Co., 910 Rust Bldg., Tacoma, Wash., (a) $394,350 (b) $376,410; Utah Constr. Co., Eccles Bldg., Ogden, Utah (a) $407,502 (b) $397,712; Rajotte & Winters, Portland (street address not available) (a) $403,655 (b) $387,555.

Calif., Mare Island — Remodeling — Spec. 4601—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling barrack's building 53 at Navy Yard, here, (1) work complete from F. H. Warren, 1032 Carolina St., Vallejo, (1) $23,350 (120 days) (2) $960; B. Ward, Los Angeles (street address not available) (1) $25,598 (120 days) (2) $800; J. Moton, 593 Market St., San Francisco, (1) $26,617 (2) $620. Noted Sept. 21.

Calif., San Diego—Quarters, etc.—Spec. 4665—Bureau Yards & Docks, Navy Dept., Wash., D. C., for quarters, wings to mess hall, barracks, administration building and pump house at Naval Base Training Station and Barracks, here, (1) work complete, from R. E. Campbell, 1190 State St., Box 716, Salt Lake City, Utah, (1X) $446,564 (2X-3X-4X-5X-6X-7X-8X) $18,295 each (9X) $31,041 (10X) $27,077 (11X) $159,694 (12X) $31,041 (13X) $27,077 (14X) $104,439 (15X) $18,295 (16X) $18,295 (17X) $186,297 (18X) $18,295 (19X) $37,635 (20X) $56,655 (21X) $81,148 (22X) $81,148 telegraphic modification increase all bids 3%; K. E. Parker, 519 California St., San Francisco, (1X) Marine Barracks, $130,000, Training Station, $270,000 total $400,000 (2X-3X-4X-5X-6X-7X) $15,000 each (8X) $17,000 (9X) $60,000 (10X) $50,000 (11X) $190,000 (12X) $50,000 (13X) $100,000 (14X) $60,000 (15X) $15,000 (16X) $25,000 (17X) $120,000 (18X) $15,000 (19X) $25,000 (20X) $40,000 (21X) $50,000 (22X) $60,000 telegraphic modification add $79,000 to Marine Barracks, $23,000 to Naval Training Station; Lange & Bergstrom, 819 Timber Bldg., (1X) Marine Barracks $162,000, Naval Training Station $262,000 (2X-3X-4X-5X-6X-7X-8X) $18,000 each (9X) $42,000 (10X) $38,000 (11X) $172,000 (12X) $42,000 (13X) $80,000 (14X) $90,000 (15X) $18,000 (16X) $36,000 (17X) $162,000 (18X) $180,000 (19X) $36,000 (20X) $54,000 (21) $72,000 (22X) $72,000 telegraphic modification add $28,000 to Naval Training Station, $66,000 to Marine Barracks; David Godon Building and Constr. Co., Burnett and North Aves., Cincinnati, O., cost plus 5%. Noted Sept. 21.

CONTRACTS AWARDED

N. Y., Buffalo—Dredging—U. S. Engineer, dredging and rock excavation in Sandusky Harbor, O., to Duluth-Superior Dredging Co., foot of 45th Ave., Duluth, Minn., $86,800. Noted Aug. 31.

N. Y., New York—Dredging, etc.—U. S. Engineer, 39 Whitehall St., dredging and rock removal in East River, to New Jersey Ship-building and Dredging Co., Foot of 28th St., Bayonne, N. J., $695,096. Noted Sept. 7.

Del., Wilmington—Jetties—U. S. Engineer, Wilmington, jetty construction at mouth of Smyrna River, Delaware, to General Ship Repair Co., 113 Walnut St., Phila., $52,900. Noted Aug. 24.

W. Va., Parkersburg—Extension—Treas. Dept., Wash., D. C., extension to U. S. Post Office, remodeling interior and improving driveways, here, to Pearce Bros. Inc., 220 West 42nd St., New York City, $11,958 (120 days). Noted Oct. 12.

Ga., Savannah—Walls—U. S. Engineer raising training wall, here, to J. W. Fitzgerald, Natl. Bank Bldg., Savannah, $300,000. Noted Aug. 31.

Ala., Florence—Turbine—U. S. Engineer 1,000 hp. turbine with generator, draft tubes, etc., to S. Morgan Smith Co., York, Pa., $17,060. Noted Aug. 24.

La., New Orleans—Dikes—U. S. Engineer, Custom House, dikes at Head of Passes, Mississippi River, to T. O. Hotard, 235 Lavergne Ave., $104,970. Noted Sept. 21.

La., New Orleans—Spur-dikes—U. S. Engineer, 329 Custom House, spur-dikes at Southwest Pass, Mississippi River, to L. F. Alexander Co., Inc., Audubon Bldg., $666,867. Noted Sept. 21.

Tenn., Memphis—Levee Work—Mississippi River Comn., 1st and 2nd Dist., Custom House, levee work in Lower St. Francis

Federal Government Work (Continued)

Levee Dist., to Roach, Stansell, Lawrence Bros. & Co., North Memphis Savings Bank Bldg., $35,160.

Mo., St. Louis—Earthwork—Mississippi River Comn., 1311 International Life Bldg., earthwork in Bay Island Drainage and Levee Dist. 1, Ill., Sect. M. R. D., to La Crosse Dredging Co., 405 Plymouth Bldg., Minneapolis, Minn., $103,550. Noted Sept. 28.

Tex., Galveston—Repairs to Dam—U. S. Engineer, Galveston, repairs to Caddo Lake Dam near Mooringsport, La., to Blodgett Constr. Co., Shreveport, La., $58,511. Noted Aug. 24.

N. M., Ft. Bayard — Quarters — Treas. Dept., Wash., D. C., officers and employees quarters at U. S. Veterans' Hospital, here, to R. E. McKee, 1918 Texas St., El Paso, Tex., $141,150 (5 months). Noted Oct. 5.

Utah, Eureka — Post Office — Treas. Dept., Wash., D. C., for U. S. Post Office, here, to G. A. Whitmeyer & Sons, 2759 Grant Ave., Ogden, $35,200 (1 year). Noted Oct. 12.

Wash., Grays Harbor—Dredge—U. S. Interior Dept., Wash., D. C., for dredge, here, to Sun Shipbuilding Co., Chester, Pa. Cost over $500,000.

Calif., Los Angeles—Stone—U. S. Engineer, stone for silt diversion channel, to Russell-Foell Co., Los Angeles (street address not available) $124,813, Bly Bros. and McGilliard Stone Co., Los Angeles, (street address not available). $64,138.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits:

Applications

346—Pike Rapids Power Co., Royalton, Minn.—Wants preliminary permit for dam 45 ft. high, in Mississippi River at point near Royalton, in Morrison Co.

347—A. B. Jones, c/o B. M. Jones, Dayton Morgan Eng. Co., Pueblo, Colo.—Wants preliminary permit to develop 3 power projects on Middle and North St. Vrain Creeks, Boulder Co.

348—Home Builder Mining & Development Co., 528 Hutton Bldg., Spokane, Wash.—Wants license for power development on Wolf Lodge Creek in Coeur d'Alene Natl. Forest, Kootenai Co., Idaho.

Miscellaneous

PROPOSED WORK

Pier, Golf Course, etc.—Gloucester, Mass.—Wolf Hill Country Club plans pier, golf course, tennis courts, club house, etc. $50,000. W. E. Kern, chn. building com. Engineer not selected.

Coal Breaker — Pittston, Pa. — Hillside Coal & Iron Co., soon takes bids for 25,000 ton daily capacity coal breaker at Butler Colliery, steel on concrete foundation, to exceed $100,000.

Monument—Wilkes-Barre, Pa.—G. A. R. Veterans, c/o R. Smith, attorney, Wilkes-Barre, plan monument in Public Sq. $100,000.

Dock — Jacksonville, Fla. — Soon takes bids extending municipal dock system. Work will be followed promptly by contract for placing 3,350 cu.yd. concrete, and furnishing and placing 41 mooring posts. $100,000. G. H. Hills Co., Barnett Bldg., engrs.

Fill—Jacksonville, Fla.—Soon takes bids placing 650,000 cu.yd. earth fill by hydraulic dredge, for filling in pier. $200,000. G. B. Hills Co., Barnett Bldg., engrs.

Transit Shed—Jacksonville, Fla.—Soon takes bids steel transit shed, 850 ft. long, 100 ft. clear inside span will be built on pier, 540 ton structural steel and roofed and sided with Robertson Process metal or zinc. $50,000. G. B. Hills Co., Barnett Bldg., engrs.

Transmission Line—Pikesville, Ky.—See "Industrial Works."

Lighting System—Cleveland, O.—Plans installing white way lighting system on Superior and Hough Aves. from East 79th St. to Ansel Rd., Wade Park Ave. from Addison Rd. to East 105th St., St. Clair Ave. from East 53rd to East 79th Sts., Euclid Ave. from East 90th St. to University Circle. $150,000. G. Beckwith, City Hall, engr.

Transmission Line—Chilton, Wis.—Calumet Service Co. making plans transmission line to serve surrounding cities incl. Calumet Harbor, Charlesburg and Stockbridge. $25,000. Private plans.

Golf Course, etc. — Stoughton, Wis. — Stoughton Golf Club, Inc., c/o F. J. Vea, plans 9 hole golf course, club house, locker rooms, etc. $50,000.

Fire Alarm System—Amarillo, Tex.—Plans electric fire alarm system. $30,000 available. Address L. D. Marrs, mayor.

Enlarging Port—Corpus Christi, Tex.—City and Nueces Co. election Oct. 31 to vote on $1,000,000 bond issue for enlarging port as per recommendation of Federal Engineers. Address H. R. Sutherland, co. judge.

Wharf and Warehouse Facilities—Houston, Tex.—Harris Co. Port Comn. plans $3,000,000 bond issue for wharf and warehouse facilities. E. A. Penden, chn.

Levee Improvements—Kaufman, Tex.—Attorney Generals Dept., Austin, approved $55,000 for Levee Impvt. Dist. 7 of Kaufman Co. Address W. P. Williams, co. judge, or State Recl. Dept., Austin.

Electric Traveling Crane—San Francisco, Calif. — Yuba Development Co., Hobart Bldg., will soon be in market for 20 ton electric traveling crane.

Parks, etc.—San Francisco, Calif.—City and San Francisco Co., having plans prepared laying out parks; constructing concrete swimming tank, 100 ft. wide, 1,000 ft. long; clubhouse, tennis courts and 5 baseball diamonds. J. McLaren, supt. of parks.

Steel Pipe—San Francisco, Calif.—Yuba Development Co., Hobart Bldg., soon takes bids 340 lin. ft. riveted steel Penstock pipe, ranging from 7 ft. 6 in. to 8 ft. 9 in., 20 lin. ft. 24 in. air relief stand pipe.

Park—San Mateo, Calif.—Voted $80,000 bonds to purchase and improve park lands. E. W. Foster, city clk.

High Power Line—Montreal, Que.—Montreal Light, Heat & Power Co., 83 Craig St. W., plans 9,700 ft. high power line, 24 in. c.i. pipe, from Hochelaga Gas Wks. to Hochelaga St. and Pie IX Ave., $56,090. 2,886 ft. 4 in. pipe in Marquette St. $5,599, 300 ft. 6 in. pipe in St. Zotique St. from Marquette to Fabre Sts. $807, 250 ft. 6 in. pipe in St. Zotique St. from Marquette St. to Papineau Ave. $673, 1,594 ft. 4 in. pipe in Fabre St. $3,092, 325 ft. 6 in. pipe in Beaubien St. $875, 1,405 ft. 6 in. pipe in Garnier St. $3,274, 700 ft. 4 in. pipe in Park and Atlantic Aves. $1,772, 175 ft. 8 in. pipe in Hutchison St. $550, 400 ft. 8 in. pipe across Canadian Pacific Ry. on Hutchison St. $1,926.

Arena — Brantford, Ont. — Brantford Arena Co. having plans prepared ice arena and artificial ice plant. $200,000. Prices wanted on equipment and steel. A. Ballyntyne, pres. Noted Aug. 24.

BIDS DESIRED

Subway—Long Island City, N. Y.—See Railways under New York."

Rip Rap, etc.—New York, N. Y.—Oct. 25, by Bd. Purch., Municipal Bldg., furnishing and delivering rip rap, structural steel, oak, pine and spruce lumber to Dept. Plant & Structures.

Wire Mesh Fences—New York, N. Y.—Oct. 26, by Park Bd., Municipal Bldg., furnishing and erecting wire mesh fences around certain lawns in various city parks in Manhattan Boro.

Stone—Cape May, N. J.—Oct. 24, providing and placing approximately 1,400 ton stone along beach bulkhead. H. W. Bell, city engr.; adv. this issue.

Heating Plant—Winton, N. C.—Oct. 23, by Bd. Comrs. Hertford Co., installing and furnishing heating plant and other equipment for court house. $25,000. J. A. Northcott, clk.

Dock System—Jacksonville, Fla.—Oct. 23, constructing 2,933 lin.ft. bulkhead wall necessary to the construction of new pier, 1,000 ft. long, 350 ft. wide. Bulkhead construction will include placing of (3,442 ton steel sheet piling and fabricated master piles, already purchased from Lackawanna Steel Co.) and furnishing and placing 275,480 lin.ft. wood piling and 655,000 ft. lumber in construction of wooden relieving platform. G. B. Hills Co., Barnett Bldg., engrs.

Lumber—New Orleans, La.—Oct. 26, by Bd. Port Comrs., New Court Bldg., 60,000 ft. untreated yellow pine, and 120,000 ft. creosoted lumber. A. Walsh, genl. mgr.

Structural and Tank Steel—New Orleans, La.—Nov. 9, by Bd. Port Comrs., New Court Bldg., furnishing and erecting structural and tank steel for grain elevator sacking plant shed and bins; adv. this issue.

Trenching Machine—Memphis, Tenn.—Oct. 24, at office Memphis Artesian Water Dept., 105-107 North 2nd St., gasoline engine driven trenching machine. J. Sheahan, acting genl. supt.; adv. this issue.

Steam Heating Plant—Wausau, Wis.—Fraternal Realty Corp., taking bids steam heating plant for store, office and lodge building. $25,000 H. E. Schuler, pres. Private plans.

Excavator—Woonsocket, S. D.—J. Jensen, Route 1, in market for one economy or Universal drag line excavator.

Stone—Olympia, Wash.—Oct. 30, by C. V. Savidge, secy. State Capitol, furnishing exterior cut Wilkenson stone for Legislative Building. $25,000. Wilder-White, 16 East 41st St., New York City, and Bebb-Gould, 710 Hoge Bldg., Seattle, archts.

Concrete Pipe—Delhi, Calif.—Oct. 23, by E. C. Fortier, resident engr., laying 68 mi. 8-24 in. concrete pipe, for Division of Land Settlement, (State of California).

Hoist and Trailers—San Jose, Calif.—Nov. 16, by H. A. Pfister, clk. Santa Clara Co., furnishing 1 or more 1A Heil hydro hoist 5 with all steel dump body 4 yd. with double acting tailgate to be installed on Liberty trucks, also for 1 or more 4 ton Lee trailers.

BIDS RECEIVED

Asphalt Wearing Surface Sand, etc. — New York, N. Y.—H. Bruckner, pres. Bronx Boro. Tremont and 3rd Aves., opened bids Oct. 9, furnishing and delivering 3,500 cu.yd. asphalt wearing surface sand, from Z. Mahoney, 557 46th St., Brooklyn, $3,900. C. W. Crane, 17 Battery Pl., $4,305, M. T. Colgan, $4,515; 3,000 cu.yd. binder stone, from Calvin Tompkins, 30 Church St., $5,220; 350 ton asphalt cement, from Warner Quinlan Co., 79 Wall St., $6,556, Standard Oil Co., 26 Bway., $7,350; 200 ton limestone dust or other suitable inorganic dust, from E. Meyer Co., 25 Church St., 1,240, New York Trap Rock Co., 101 Park Ave., $1,392. Noted Oct. 5.

Fire Alarm Signal System—Minneapolis, Minn.—Opened bids Oct. 11, materials for fire alarm signal system in underground conduits, 99,878 lin.ft. cable, 3-55 pairs, 6-110 conductors, from Standard Underground Cable Co., Conway Bldg., Chicago, $54,869; Safety Insulated Wire Cable Co., 108-116 South Desplaines St., Chicago, $58,557; Hazard Mfg. Co., 81 East Ross St., Wilkes-Barre, $60,636.

CONTRACTS AWARDED

Wire Conduit—East Springfield (Springfield P. O.), **Mass.**—United Electric Light Co., 95 State St., Springfield, about 2 mi. conduit for wires, etc., with manholes, here, to F. T. Ley & Co., Inc., 499 Main St., Springfield. Engrs. est. $50,000.

Granite Paving Blocks, etc.—New York, N. Y.—Bd. Purch., Municipal Bldg., furnishing and delivering granite paving blocks to Dept. Plant & Structures, to J. Leopold Co., Woolworth Bldg., $10,275; structural steel, to Amer. Bridge Co., 30 Church St., $58,450. Noted Oct. 5.

Wood Paving Blocks—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 300,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl., $12,591. Engrs. est. $12,600. Noted Oct. 5.

Fire Wall, etc.—New Orleans, La.—Bd. Port Comrs., New Court Bldg., 100 ft. concrete fire wall, ratproofing Market St. shed rebuilding large part of dock., new roadway, to Dahgren Constr. Co., 303 Louisiana Bldg., $91,886.

Foundation—Neenah, Wis.—Valley Paper Mills, 145 West Wisconsin Ave., plain foundation for 1 and 2 story and basement. 80 x 627 ft. mill and 112 x 144 ft. warehouse, brick and steel, to Appleton Constr. Co., I. O. O. F. Bldg., College Ave., Appleton.

Subway, etc.—Clinton, Ia.—Chicago & Northwestern Ry., Franklin St. and West Jackson Blvd., Chicago, for 2nd St. subway and elevation of tracks, here, to White & Duffey, Box 248, Clinton.

Gravel and Sand—St. Paul, Minn.— H. W. Austin, city purch. agt., to J. L. Shiely Co., 305 Dakota Bldg., 1,400 cu.yd. 2 in. ring gravel at $2.65 per cu.yd., 700 cu.yd. washed sand $1.45. Noted Sept. 14.

Sand and Gravel—Washington—State Hy. Comn., Olympia, placing 46,300 yd. sand and gravel in stock piles, for paving Pacific Highway from Kalama to Toledo, to Pioneer Sand & Gravel Co., Leary Bldg., Seattle, $110,021.

Oil Storage Reservoir—Tracy, Calif.—Pacific Oil Co., 79 new Montgomery St., oil storage reservoir, 750,000 bbl. capacity, to Shattuck Constr. Co., Underwood Bldg., San Francisco, $100,000. Owner furnishes fabric roofing, cement and lumber, contractor furnishes sand and rock. Noted Oct. 5.

Curb Stone—Montreal, Que.—To Villeray Cut Stone Co., 848 Du Rosaire St., 10,000 ft. straight curb stone $1.10 per ft., 1,000 ft. curved curb stone $1.20, total $12,200. Noted Sept. 28.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Oct. 24.

Road Work

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the followin:

Route No. 4, Section No. 7-A, New Gretna Alternate, Burlington County; estimated amount of gravel surface eight (8) inches thick is 13,618 square yards.

Bids will be received at the office of the State Highway Commission at the Broad Street Bank Building, Trenton, New Jersey, on Tuesday, October 24, 1922, at 11:00 A.M. and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein and as required by the 1922 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and the name and section of the Route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that said certified check shall not be less than $500.00 or more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: Nov. 2.

Sewer Tunnel

Tulsa, Okla.

Sealed proposals will be received by the Board of Commissioners of the City of Tulsa, Oklahoma, until five o'clock P.M., November 2nd, 1922, for the construction of a Storm Sewer 5,700 feet long, 5,100 feet of which will be in tunnel cut. Approximate size 14½ x 15½ feet. Bond issue $900,000. Estimates payable in cash. Certified bidding check five per cent.

Plans and profiles, etc., may be secured from City Engineer, upon deposit of $25, which will be refunded to all parties submitting a bona fide bid.

CHARLES SCHULTZ,
City Engineer.

W. W. HORNER,
Consulting Engineer,
St. Louis, Mo.

OFFICIAL PROPOSALS

Bids: Oct. 24.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock P. M., on Tuesday the 24th day of October, 1922 for the improvement of highways in the following counties:

HAMILTON .....(one highway: 3.57)
ORANGE .....(one highway: 3.71)
SARATOGA .....(one highway: 2.67)
SUFFOLK ....(two highways: 2.41 & 0.09)

ALSO FOR THE RECONSTRUCTION OF THE FOLLOWING:

BROOME .....(one contract: 2.27)
CHEMUNG .....(one contract: 3.00)
CLINTON .....(one contract: 3.19)
OTSEGO .....(one contract: 2.00)
STEUBEN .....(one contract: 2.50)
SUFFOLK .....(one contract: 2.36)
WESTCHESTER .....(one contract: 2.67)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "Geueral Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.
State Commission of Highways.
J. C. FINCH, Secretary.

Bids: Oct. 24.

Sewage Disposal Plant

Albuquerque, N. M.

Sealed proposals will be received at the office of the City Clerk of the City of Albuquerque, New Mexico, until 2:00 o'clock p.m. on Tuesday, the 24th day of October, 1922, for constructing a certain sewage disposal plant for the City of Albuquerque, New Mexico. Each bidder will be required to deposit with the City Clerk to the credit of the City of Albuquerque without endorsement a certified check of deposit in the sum of ten per cent of the total amount bid, as a guaranty that the bidder will enter into contract and execute all bonds and guaranty in the forms provided within ten days after the notice of award of contract to him.

Bidders are expected to inspect the site of the work and to inform themselves regarding all local conditions. Instructions to bidders, proposal and contract forms, plans and specifications are on file at the office of the City Engineer, City Hall, Albuquerque, New Mexico. Copies of plans and specifications may be secured from the city engineer on or after October 5th, 1922, upon deposit of $50.00, to be returned to contractor upon submission of a bona fide bid on the work with plans and specifications, or upon returning plans and specifications intact prior to the date of receiving bids. Otherwise the deposit will be forfeited to the City of Albuquerque.

The City of Albuquerque reserves the right to reject any or all bids.

B. H. CALKINS, City Manager.
FRANK KIMBALL, City Engineer.
IDA V. MALONE, City Clerk.

OFFICIAL PROPOSALS

Bids: Oct. 25.

Highway Work

Raleigh, N. C.

Sealed bids for the construction of the following Projects will be received by the North Carolina State Highway Commission at Raleigh, N. C., until 10.00 a.m., on the 25th day of October, 1922, when they will be opened and read:

Hard surface (Concrete or Asphaltic Paving Projects), including grading, reinforced concrete or cast iron pipe, structures, etc.

Project No.	County	Length (Miles)
101	Beaufort	4.23
105-A	Beaufort	2.00
105-B	Beaufort	5.04
113-B	Chowan	9.89
220 & 282	Duplin-Wayne	28.75
901	Buncombe	7.52

Topsoil, Sand Clay, or Gravel Projects, including grading, drainage pipe, structures, etc.

133	Gates-Pasquotank	14.09
152	Hyde	10.89
	BRIDGE PROJECT	
254	Lenoir-Pitt	1 70 ft. low steel truss, 1 78 ft. Strauss Bascule and 5 40 ft. R. C. Deck Girder approach spans.

Specifications, proposal forms, etc., may be obtained from the State Highway Commission at Raleigh, N. C.

Plans may be seen in the Raleigh office or in the offices of the District Engineers.

Bridge plans may be obtained from the State Highway Commission at Raleigh N. C., upon payment of five ($5.00) dollars per set.

The right is reserved to reject any or all bids.

By order of the North Carolina State Highway Commission.

Bids: Oct. 24.

Concrete Water Reservoir

Albuquerque, N. M.

Sealed proposals will be received at the office of the City Clerk of the City of Albuquerque, New Mexico, until 2:00 o'clock p.m. on Tuesday, the 24th day of October, 1922, for constructing a certain reinforced concrete water reservoir for the City of Albuquerque, New Mexico. Each bidder will be required to deposit with the City Clerk to the credit of the City of Albuquerque without endorsement a certified check of deposit in the sum of ten per cent of the total amount bid, as a guaranty that the bidder will enter into contract and execute all bonds and guaranty in the forms provided within ten days after the notice of the award of the contract to him.

Instructions to bidders, proposal and contract forms, plans and specifications are on file at the office of the City Engineer, City Hall, Albuquerque, New Mexico. Copies of plans and specifications may be secured from the City Engineer on and after October 5th, 1922, upon deposit of $15.00, to be returned to the contractor upon submission of a bona fide bid on the work with plans and specifications, or upon returning plans and specifications intact prior to the date of receiving bids. Otherwise the deposit will be forfeited to the City of Albuquerque.

The City of Albuquerque reserves the right to reject any or all bids.

B. H. CALKINS, City Manager.
FRANK KIMBALL, City Engineer.
IDA V. MALONE, City Clerk.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Hospital Construction

New York, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work, for Central Heating and Lighting Plant, Kitchen and Dining Room Building and Buildings for Chronic Patients (North and South), and Construction of Tunnels at the Creedmoor Division, Brooklyn State Hospital, Creedmoor, Borough of Queens, Long Island, N. Y., will be received by the State Hospital Commission, Room 1046, 25 Broadway, New York City, N. Y., until 12 o'clock noon (Standard Time), on Tuesday, October 31st, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contracts within thirty (30) days after official notice of award of contracts and in accordance with the terms of Specifications Nos. 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986, 3987, 3988, 3989, 3990 and 3995. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Brooklyn State Hospital, Brooklyn, N. Y., at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check in the sum of $25.00 made payable to the State of New York for each set of plans and specifications, which check will be returned if plans and specifications are returned in good condition to the State Architect, L. F. Pilcher, Capitol, Albany N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: September 21, 1922.

Bids: Oct. 24.

Bridge Repairs

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:—

For repairs to bridge over Barnegat Bay from Seaside Heights to Island Heights, in the Municipality of Dover, County of Ocean.

Bids for the above will be received at the office of the State Highway Commission, Broad St. Bank Building, Trenton, N. J., on October 24th, 1922, at 11:00 A.M., and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond form for the proposed work are on file in the office of Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, N. J., and may be inspected by prospective bidders. Plans will be furnished on deposit of ten ($10.00) dollars, for doing this work upon application to Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, N. J. Bids must be made on the standard proposal form in the manner designated therein and as required by the specifications for this work; same to be enclosed in sealed special addressed envelopes, bearing the name and address of bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the State Treasurer for not less than ten (10%) per cent of the amount of the bid, provided the said certified check shall not be less than $500.00 nor more than $20,000 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelope will be furnished on application to Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, N. J. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a Surety Company duly authorized to do business in this State, stating that such Surety Company will provide said bidder with a bond in such sum as is required in and in accordance with the specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: Nov. 1.

Construction of Power House

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Wednesday, November 1st, 1922, at which place and hour they will be publicly opened and read, for the development of canal water power pursuant to the provisions of Chapter 532 of the Laws of 1922, as follows:

CONTRACT B-3—VISCHER FERRY POWER HOUSE

For constructing a power house and work incidental thereto, at Vischer Ferry dam, County of Saratoga.

Sheets 1-15, inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, forms of contract and bonds required, and other information for proposers, may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Eastern Division, Wedgeway Building, Schenectady, N. Y.; at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division, at Rochester, N. Y.; at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bond, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposit of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner, if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.
October 7th, 1922.

Bids: Oct. 31.

Barge Canal Terminals

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, October 31st, 1922, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT NO. 91.

For paving a portion of the terminal site at Hallets Cove, New York City.

Contract plans, sheets 1 to 3 inclusive.

Plans may be seen and detailed specifications, engineers' estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.
September 28, 1922.

OFFICIAL PROPOSALS

Bids: Nov. 1.

Hospital

Irvington, N. J.

Sealed proposals for furnishing all the necessary labor and materials for the erection and completion of the new Irvington Hospital, will be received by the Board of Commissioners of the Town of Irvington, N. J., and will be publicly opened and read at a meeting of the said Board of Commissioners to be held in the Town Hall, Irvington, N. J., at 8 p.m., Wednesday, November 1st, 1922 (standard time).

The building will be located on the southeast corner of Chancellor Avenue and Park Place, Irvington, N. J.

Proposals will be received for the following:

Item No. 1. Mason work; carpenter work; iron and steel work; sheet metal and roofing work; glazing; painting; elevator and dumb waiter.

Item No. 2. Plumbing and gas fitting.

Item No. 3. Heating and ventilating.

Item No. 4. Electrical work.

Contractors may bid on any or all items, but separate bids must be submitted for each item.

Each proposal must be accompanied by a certified check for 5 per cent of the amount of such bid, payable to the order of the Board of Commissioners of the Town of Irvington, N. J., or a bid bond in the amount of 5 per cent of such estimate, issued by a surety company approved by the said board, and authorized to conduct business in the state of New Jersey. The successful bidder will be required to furnish the said board within ten days of the award of the contract by the said Board of Commissioners, a bond executed by an approved surety company in the sum of one hundred per centum (100%) of the amount of said contract, conditioned on the faithful performance of the contract.

Should the bidder refuse or neglect to sign the said contract and furnish the said bond within ten days after notification from the Board of Commissioners that the contract has been awarded to him, he shall agree to forfeit the certified check accompanying the bid, or the amount of the bid bond, and said amount shall become the property of the Board of Commissioners.

Plans and specifications of items No. 1 and No. 2 may be seen at the office of Jos. B. Allen, Architect, 1091 Sanford Ave., Irvington, N. J., and of items No. 3 and No. 4 at the office of Runyon and Carey, Engineers, 843 Broad Street, Newark, N. J., between the hours of 9.30 a.m. and 4.30 p.m. and copies may be obtained from them by depositing the sum of twenty-five dollars ($25), which will be returned after bids are received and on return of the plans and specifications.

Any contractor obtaining plans and specifications and not submitting a bid must forfeit his deposit.

The Board of Commissioners reserves the right to waive informalities and to accept or reject any or all bids.

All proposals must comply in all respects with the instructions and general conditions forming a part of the specifications.

Each contractor shall state in his proposal the time he will require for completing the work and shall guarantee completion in such time.

Each proposal must be enclosed in a sealed envelope properly endorsed with the name of the bidder and marked "Proposal for erection of Irvington Hospital," and must state the kind of work for which the proposal is submitted.

HENRY P. BEDFORD,
Director Parks and Public Property.
W. H. JAMOUNEAU,
Town Clerk,
Irvington, N. J.
October, 1922.

Bids: Dec. 1.

Cast Iron Pipe and Castings

San Juan, Porto Rico.

Sealed proposals for the furnishing of about 20,020 tons of cast iron pipe and of 250 tons of special castings, or its equivalent in steel pipe and specials, delivered at San Juan, Porto Rico, for the City of San Juan, will be received in the office of the Commissioner of Public Service until December 1, 1922, at 10 a.m.

All plans, specifications, instruction to bidders, blanks, forms for proposals and all other information may be obtained at the office of the City Commissioner of Public Works at San Juan, Porto Rico.

The right is reserved to reject any and all bids.

MARTIN TRAVIESO,
Commissioner of Public Service.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Construction of Viaduct

Trenton, N. J.

On Tuesday, the 31st day of October, 1922, at 2:30 o'clock in the afternoon, at its regular place of meeting, in the Court House, Trenton, New Jersey, the Board of Chosen Freeholders of the County of Mercer will receive proposals:

For performing all work and labor and furnishing all the materials, tools and equipment necessary or incident to the construction and completion of a through plate girder viaduct containing a vertical lift span of the wire-rope type, over the Delaware and Raritan Canal and the Pennsylvania Railroad at Olden Avenue in Trenton, Mercer County, New Jersey, to be known as the "Olden Avenue Viaduct," in accordance with plans and specifications prepared by J. A. L. Waddell, and on file in his office, 35 Nassau Street, New York City, or in the office of the Mercer County Engineer at the Court House, Trenton, New Jersey, to which bidders are particularly referred for detailed information and for necessary proposal forms. Copies of plans and specifications may be obtained at either of the above named offices upon deposit of Ten Dollars ($10.00).

The length of steel viaduct is 400 feet including the lift span of 75 feet. Revision of the approaches brought about by a slight raise of grade, includes a small amount of embankment, pavement, sidewalk, and concrete railing. The total length of approaches is 400 feet.

The approximate quantities of the principal items are as follows:

400 tons of structural steel.
50 tons of reinforcing rods.
2,000 cu.yds. of excavation.
2,000 cu.yds. of all classes of concrete.
75,000 lbs. of machinery, cables, sheaves, etc.

Bidders' attention is called particularly to the fact that the specifications provide for a bonus of Twenty Dollars ($20.00) for each any every day that the work is completed in advance of the specified time of completion, and a penalty of the same amount per day for delay in completing the work. The entire work is to be completed within eleven (11) months after the execution of the contract.

Each bid must be accompanied by the written proposal of a surety company fulfilling the requirements of section 507, chapter, 185, laws of 1918, and the form of bond required will be substantially as described in chapter 75 of the laws of 1918. The amount of the bond required will be the full amount of the contract price. Each proposal must also be accompanied by cash or a certified check, in the amount of Ten Thousand Dollars ($10,000.00) payable to the order of Edgar G. Weart, County Treasurer, and deposited upon condition that as against the successful bidder the same will be retained by the county as liquidated damages should he fail to execute a valid contract and furnish an acceptable surety company bond within seven days from the awarding of the contract.

The right is reserved to reject any or all bids and to waive any immaterial defect or informality in any bid should it be deemed to the interest of the county to do so.

CHARLES H. REICHERT,
Director of Dept. of Bridges.

Bids: Nov. 7.

Sewage Disposal

Miami, Fla.

Sealed proposals will be received by the Commission of the City of Miami, Florida, at their regular meeting, November the 7th, 1922, until 9 a.m., for furnishing:

1 Motor driven sewage screen, including motors and necessary equipment; capacity 2100 gallons per minute.

2 Motor driven centrifugal pumps, including motors and necessary equipment; capacity 2100 gallons per minute, against total head of 30 feet.

2400 feet 16 inch Class B Cast Iron Pipe.

Each proposal must be accompanied by a certified check for 2½ per cent of the amount of the bid, or by bidders bond, to insure the execution of the contract as provided by Section 56 of the City Charter.

The Commission of the City of Miami reserves the right to reject any or all bids.

Detailed specifications and bidders blank form can be obtained from Chas. W. Murray, Director of Public Service, upon deposit of $10.00, this deposit to be returned to those submitting a bona fide bid.

F. H. WHARTON,
City Manager.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Sewage Disposal Plant

Indianapolis, Ind.

Sealed proposals will be received by the Board of Sanitary Commissioners, Sanitary District of Indianapolis, at its office in the City Hall, Indianapolis, Indiana, until 10 A.M., October 31st, 1922, at which time bids will be publicly opened and scheduled and awards made as soon thereafter as practicable, for the construction of Section 3, Division III, and furnishing and erecting mechanical equipment for the Sewage Disposal Plant of the Sanitary District of Indianapolis, in accordance with plans and specifications on file at the office of the Board. This construction and equipment consists of the following items:—

1. *Activated Sludge Plant:*
   a. Aeration and Settling Tanks, including Pipe Gallery and Connecting Conduits.
   b. Air Mains, Air Distribution System, Sewage, Sludge and Drain Piping.
   c. Sluice Gates and Gate Valves.
   d. Air Control and Drain Valves.
   e. Diffuser Plates.
   f. Air and Sewage Meters and Recorders.
   g. Sludge Removal Equipment, Erected.
2. *Power Plant Auxiliary Equipment:*
   a. Boiler Settings and Breeching.
   b. Coal Storage Bunker.
   c. Coal Handling Equipment.
   d. Power Plant Piping.
   e. Boiler Feed Pumps and Regulators.
   f. Feed Water Heaters and Softening System.

Each bidder shall be required to deposit with his bid a certified check in the amount as provided in said specifications and information to bidders, to secure the execution of the contract for which bid is made.

Copies of plans and specifications and general information may be obtained at the office of Charles H. Hurd, 1405 Merchants Bank Building, Indianapolis, Indiana.

The Board reserves the right to reject any and all bids.

BOARD OF SANITARY COMMISSIONERS,
JAY A. CRAVEN, President.
JOHN L. ELLIOTT, Vice-Pres.
LUCIUS B. SWIFT.

Bids: Oct. 21.

Water System

Mayfield, N. Y.

Sealed proposals for furnishing all labor and material for the construction of water system for the village of Mayfield, N. Y., will be received the 21st day of Oct., 1922, at the office of the village clerk, until 2 p.m. of that day. A certified check or N. Y. draft for $2,500.00 to accompany plans.

The work includes approximately 3 miles of water pipe with appurtenances. Plans and specifications may be obtained from the village clerk or engineer. Deposit of $5.00 required.

For all information address Clerk of the board of Trustees or the Engineer.

FRED J. WARNER,
Clerk.
MORRELL VROOMAN,
Engineer.

At the same time and place, proposals for furnishing and erecting a 150,000 gal. elevated steel water tank will be received.

FRED J. WARNER,
Clerk.
MORRELL VROOMAN,
Engineer.

Bids: Oct. 24.

Trenching Machine

Memphis, Tenn.

The Memphis Artesian Water Department will receive proposals at its offices, 105-107 North Second Street, Memphis, Tennessee, up to 12 o'clock noon Tuesday, October 24, 1922, for furnishing delivered F.O.B., Memphis, Tennessee:

One Gasoline Engine Driven Trenching Machine—cutting depth zero to not less than 6 feet nor more than 10 feet; minimum width of trench approximately 24 inches, maximum, approximately 30 inches; machine to be of standard manufacture.

Complete specifications, performance test, etc. to accompany bid. Time of delivery must also be stated.

The right is reserved to reject any or all bids.

Address proposals to Board of Water Commissioners, Memphis Artesian Water Department, Memphis, Tennessee; mark "Bid on Trenching Machine".

JAMES SHEAHAN,
Acting General Superintendent.

OFFICIAL PROPOSALS

Bids: Oct. 25.

State Hospital Work

Buffalo, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work, Additional Accommodations for Patients (Dining Room Accommodations), at the Buffalo State Hospital, Buffalo, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock p.m., on Wednesday, October 25, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3950, 3951, 3952 and 3953, and Addenda dated October 9, 1922. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Buffalo State Hospital, Buffalo, N. Y.; at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: October 10, 1922.

Bids: Oct. 26.

Drainage and Levee Work

Carrollton, Ill.

Sealed proposals for levee and ditch construction will be received by the Commissioners of the Keach Drainage and Levee District at the office of F. A. Whiteside, Attorney, at Carrollton, Illinois, until 1:00 p.m., Thursday, October 26th, 1922.

The work consist of repair and construction of levees, the construction and cleaning out of ditches and other work, divided into ten items, as follows:

Item No. 1. Levee Repair, 254,000 cu.yd.
Item No. 2. Levee Construction, 123,600 cu.yds.
Item No. 3. Clearing,
Item No. 4. Brush Dams.
Item No. 5. Earth Excavation, New Ditch, 17,000 cu.yds.
Item No. 6. Earth Excavation, Main Ditch, 90,000 cu.yds.
Item No. 7. Earth Excavation, Bowman Ditch, 8,000 cu.yds.
Item No. 8. Earth Excavation, East Lateral Ditch, 7,000 cu.yds.
Item No. 9. 20-inch Tile, 80 lin.ft.
Item No. 10. 12-inch Tile, 500 lin.ft.

Plans, profiles, specifications and proposal blanks may be obtained at the office of the engineers, Kelker, De Leuw & Co., 1206 Conway Building, Chicago, upon payment of $10.00, which will be refunded upon their return in good condition before November 15th.

Board of Commissioners of Keach Drainage and Levee District.

Bids: Nov. 9.

Grain Elevator

New Orleans, La.

Sealed proposals will be received by the Board of Commissioners of the Port of New Orleans at their office, Suite 200, New Court Building, until 3:00 P.M. November 9, 1922, and then publicly opened for furnishing and erecting approximately 265 tons of Structural and Tank Steel required for the Grain Elevator Sacking Plant Shed and Bins.

A deposit of $1,000.00 in cash or certified check is required with each proposal.

A bond to the amount of 50% of the sum bid is required with notarial contract.

Specifications and proposal forms are on file in the office of the Supervisor of Purchases, at No. 1 Canal Street, New Orleans, Louisiana. Complete sets will be furnished to prospective bidders on deposit of $5.00, which will be refunded to depositors who submit proposals, or return sets in good condition.

The right is reserved to reject any or all bids and to waive informalities.

J. H. WALSH,
General Manager.

OFFICIAL PROPOSALS

Bid. Nov. 1.

State Road Work

Providence, R. I.

Sealed proposals for the construction of the following sections of State Highway will be received by the State Board of Public Roads at its office State House, Providence, R. I. until 12M on Wednesday, November 1st, 1922, at which time they will be opened and read in public:

Contract No. 2205—Lincoln-Smithfield Avenue, Pawtucket Line to Lonsdale Ave., 1.32 miles—Sheet Asphalt Pavement with Concrete Base.
Contract No. 2206—North Kingston-Ten Rod Road, Wickford Junction easterly to Tower Hill road, 1.8 miles—Bituminous Macadam.
Contract No. 2207—South Kingston-Kingston Road, Usquepaug to West Kingston Station, 2.46 miles—Bituminous Macadam.
Contract No. 2208—Warwick-Apponaug Road, Pawtuxet Bridge to Elmwood Avenue, 2.05 miles—Bituminous Macadam.

Bids must be made upon blank forms to be furnished by the Board. No bids will be accepted unless accompanied by a certified check for the sum of $200.00, payable to the State of Rhode Island.

The Board reserves the right to reject any and all bids, and to give preference to towns or cities, in accordance with Section V of Chapter 84 of the General Laws.

Plans may be examined and specifications and bidding blanks may be obtained at the office of the State Board of Public Roads, State House, Providence, R. I., on and after Friday, October 20, 1922, every week day (except holidays and Saturdays), between the hours of 9 a.m. and 5 p.m., Saturdays 9 a.m. to 12 m.

State Board of Public Roads.
ABRAM L. ATWOOD.
BENJAMIN F. ROBINSON.
FRANK COLE.
J. HENRY WOODARD.
ALTON HEAD.

Bids: Nov. 17.

Road Work

Tampa, Fla.

Sealed proposals will be received by the Board of County Commissioners of Hillsborough County, Florida, until 11.00 a.m., on November 17th, 1922, for the construction of approximately one hundred and sixty (160) miles of nine (9) and fifteen (15) foot roads, to be paved with either brick, asphalt, block, sheet asphalt, asphaltic concrete, cement concrete, or bituminous macadam, as set forth in the specifications.

Specifications may be obtained on application from the Clerk of the Circuit Court of Hillsborough County, at Tampa, Florida. A deposit of $5.00 will be required for specifications.

A certified check or bidder's bond executed by a reputable bonding company authorized to do business in the State of Florida, in the sum of Five (5%) per cent of bid must be attached up to a bid of Five Hundred Thousand ($500,000.00) Dollars. Any contractor bidding on more than amount of work up to and including the total project may make a check or bidder's bond for only Twenty-Five Thousand ($25,000.00) Dollars, payable to Charles T. Friend, Chairman of the Board of County Commissioners. A bond must be submitted with each proposal.

Bidders may submit proposals on each road separately or on the combined project as a whole, it being understood, however, that the Board reserves the right to award this work as they deem best, either separately or as a whole.

The right is reserved to select the type of curbing and paving for each road and to reject any or all bids.

Bids will also be received for road building materials; such materials to conform to the requirements as set forth in the construction specifications. A certified check or bidder's bond must accompany each proposal for materials, payable to Charles T. Friend, Chairman of the Board of County Commissioners, for the sum of One Thousand ($1,000.00) Dollars. The right is reserved to reject any and all bids. Address all bids to C. T. Friend, Chairman Board of County Commissioners, Tampa, Florida.

CHARLES T. FRIEND,
Chairman Board of County Commissioners.
Date, October 13th, 1922.

OFFICIAL PROPOSALS

Bids: Oct 31.

Highway Work

Baltimore, Md.

Sealed proposals for building eight sections of State Highway, as follows:

Garrett County—Cont. G-24—One section of state highway from Luke to Bloomington, a distance of 0.5 miles (Penetration Macadam).

Allegany County—Cont. A-22—One section of state highway along the Williams Road, for a distance of 1.6 miles (Concrete).

Howard County—Cont. HO-26—One section of state highway along the Old Frederick Road from the end of St. Johns Lane to the Woodstock Road, a distance of 2.56 miles (Concrete).

Montgomery County—Cont. M-39—One section of state highway thru Laytonsville, for a distance of 1.0 miles (Concrete).

Montgomery County—Cont. M-38—One section of state highway from Dawsonville toward Beallsville for a distance of 1.0 miles (Concrete).

Montgomery County—Cont. M-37—One section of state highway from Dawsonville towards Seneca, for a distance of 1.0 miles (Concrete).

Montgomery County—Cont. M-40—One section of state highway from Seeks Corner to the Pr. Geo. County Line, for a distance of 0.7 miles (Concrete).

Anne Arundel County—Cont. AA-26—One section of state highway from Tracy's Corner toward Nutwell, a distance of 1.0 miles (Gravel)

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M., on the 31st day of October, 1922, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 11th day of October, 1922.

JOHN N. MACKALL,
Chairman
L. H. STEUART,
Secretary

Bids: Dec. 11.

Labor-Material Percentage Contract

New Orleans, La.

Sealed proposals will be received at the Sewerage and Water Board, Room 401, No. 526 Carondelet Street, New Orleans, La., up to 12 o'clock noon of Monday, December 11th, 1922, on Labor-Material Percentage Contract for year 1923.

Specifications and blank forms of proposal may be obtained at the office of the Board.

The right is reserved to reject any or all bids.

October 12th, 1922.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
General Superintendent.

Bids: Nov. 29.

Filtration Plant and Reservoir

San Juan, Porto Rico.

Sealed proposals for the furnishing of all labor and material for the construction of a 8,000,000 gals. filtration plant and a 10,500,000 gals. filtered water concrete reservoir for the City of San Juan will be received in the office of the Commissioner of Public Service until November 29, 1922, at 10 A.M.

All plans, specifications, instruction to bidders, blanks, forms for proposals and all other information may be obtained at the office of the City Commissioner of Public Works at San Juan, Porto Rico.

The right is reserved to reject any and all bids.

MARTIN TRAVIESO,
Commissioner of Public Service

OFFICIAL PROPOSALS

Bids: Nov 7

Bridge

Vicksburg, Miss.

Sealed alternate bids will be received by the Board of Supervisors of Warren County, Miss., at the office of the Chancery Clerk until 12 o'clock noon, Tuesday, November 7th, 1922, and at that time publicly opened for a bridge over Big Black River on the South Scenic Highway 4 miles south of Yokena, Miss., on the Mississippi River Scenic Highway between Vicksburg and Port Gibson.

The principal items of work are as follows, approximately:

628.26	Cu.Yds. Class "A" Concrete.
9,640	Lbs. Steel Reinforcing.
158,000	Lbs. Structural Steel.
301.3	Sq.Yds. Asphalt Paving.
347	Lin.Ft. Gas Pipe Railing.
206,800	Ft. B.M. Creosoted Lumber.
10,600	Ft. B.M. Untreated Lumber.
13,000	Lin.Ft. Creosoted Piling.
2,000	Lin.Ft. Untreated Piling.
257	Cu.Yds. Gravel Ballast.

and for all materials in connection with said work.

Plans and specifications are on file in the office of the Chancery Clerk, Vicksburg, Miss., and at the office of the Warren County Highway Engineer. On the receipt of check for $5.00, Contractors will be furnished with a set of plans and Bidder's Blank.

Any additional information may be secured from H. R. Rhodes, County Highway Engineer, Vicksburg, Miss. The right to reject any or all bids is reserved.

Cash or certified check for $3,000.00 made payable to the Board of Supervisors of Warren County, must accompany each bid as evidence of good faith and as a guarantee that if awarded the contract, the bidder will execute the contract and give bond as required.

By order of the Board of Supervisors.

J. G. SHERARD,
Chancery Clerk.

Bids: Nov. 2.

Grading

Newton, N. J.

Notice is hereby given that sealed bids will be received by The County of Sussex for the grading of Lakeside Boulevard in the Boro of Hopatcong in the County of Sussex. Estimated amount of excavation 16,453 cu.yds. and opened and read in public at the Freeholders Office, Newton, N. J. on November 2, 1922, at 11:30 A. M.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by Harvey Snook, County Engineer, and approved by the Board of Chosen Freeholders of the County of Sussex have been filed in the office of said Engineer at Newton, N. J. and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the Engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the Specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of the road on the outside addressed to The County of Sussex, Newton, N. J. and must be accompanied by a bonding Company's Certificate and a certified check for not less than 10% of the amount bid and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

By order of The County of Sussex.

WILLIAM S. VOUGHT,
Clerk

Wanted—GRADING

For full grading outfit, Model O. Thew Shovel and full grading equipment. South preferred.

DAYTON CONSTRUCTION CO.,
Elkins, W. Va.

OFFICIAL PROPOSALS

Bids: Nov. 4.

Drainage Work

Bolton, N. C.

Notice is hereby given that sealed proposals for repair and improvement of the main ditch of Columbus County Drainage District No. 2, will be received until twelve o'clock noon, Eastern Standard time, November 4, 1922, at the office of the Board of Drainage Commissioners, Bolton, N. C.

The work to be performed consists of removing earth from the main ditch for a distance of approximately three miles, between laterals D and G, by means of a drag line. Earth to be deposited on one side.

The yardage of earth to be removed is approximately 168,000 cubic yards. The date of completion to be five months from date of awarding contract.

A certified check in the amount of $2,000.00 payable to the Board of Drainage Commissioners of Columbus County Drainage District No. 2, must accompany each proposal. Checks of unsuccessful bidders will be returned within ten days of awarding of the contract.

The said board reserves the right to reject any or all bids. Plans and specifications are on file at the office of the Board, Bolton, N. C. or same will be mailed upon application when same is accompanied by a deposit of $10.00, which will be refunded if plans are returned in good condition.

By order of the Board of Drainage Commissioners, Columbus County Drainage District No. 2.

G. T. MEYER, Secretary.

Bids: Oct. 26.

Street Paving

Augusta, Ga.

Sealed proposals will be received by the Streets and Drains Committee of The City Council of Augusta, Georgia, until 12 o'clock (noon), at the City Hall, Thursday, October 26, 1922, and at that time and place publicly opened, for paving Greene Street, from East Boundary to Fifteenth Street. Approximate quantities as follows:

89,000.00 square yards of pavement.
11,500.00 lineal feet re-set curb.
1,500.00 lineal feet new granite curb.
900.00 lineal feet marginal curb.
31,000.00 cubic yards excavation.
42,000.00 lineal feet 30" x 6" gutter.

Proposal form, plans and specifications may be obtained from the undersigned by depositing the sum of $10.00, which will be refunded upon the return of the plans and specifications.

As a guarantee that the bidder will execute the contract if awarded, all bids must be accompanied with a certified check in favor of The City Council of Augusta, in five per cent (5%) of the total amount bid.

Address all bids to J. W. Westmoreland, Clerk of Council, marking on envelope "Proposal for paving Greene Street, from East Boundary to Fifteenth Street, Augusta, Ga."

The City reserves the right to reject any and all bids.

W. H. WISE,
City Engineer and Commissioner of Public Works.

October 12, 1922.

TO SUBLET

Hauling of Material on 13 Mile Concrete Base-Contract, in Southern Kentucky—Average Haul 2½ Miles—Industrial Equipment Preferred—

METZEL & O'HEARN
Covington, Ky.

OFFICIAL PROPOSALS

Bids: Nov. 14.

Yellow River Bridge

Milton, Fla.

Sealed proposals for constructing the Yellow River Bridge on the Milton-Camp Walton Road about eight miles southeast of Milton and located within the Florida National Forest, State of Florida, County of Santa Rosa, will be received by the Board of County Commissioners of Santa Rosa County at the County Court House, Milton, Florida, until twelve (12) o'clock, M., on the 14th day of November, 1922, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of the project to be constructed is approximately 0.873 miles, and the principal items of work are approximately as follows: Clearing 6 acres, the construction of about 4,450 feet of untreated timber trestle of 10-ft. roadway with four turnouts, and the installation of two old 80 ft. steel spans over the channel. The steel spans shall be shipped from the site where they are now in use over the Yellow River on the County Road between Milton and Holley about nine and one-half miles upstream from the proposed bridge site. The right to cut timber for use in the construction of this bridge from National Forest land will be granted to the contractor, as stated under the section of the Specifications entitled "Government Stumpage."

Alternate bids will be received upon piles of creosoted pine timber in lieu of red cypress of juniper herein specified.

The work embraced in this contract shall be completed with in 200 weather working days (page 11), following the execution of the contract by the Board of County Commissioners.

The contract form and the maps, plans specifications and estimates of quantities may be examined by responsible contractors at the following addresses:

(Extra copies of plans, etc., are available upon deposit of $10.00 at the first named office only).

Office of Clerk of Board of County Commissioners, Milton, Fla.

U. S. Bureau of Public Roads, Room 917, Bell Bldg., Montgomery, Ala.

All proposals must be made on forms and in accordance with instructions forming a part of the specifications above referred to, and must be accompanied by a proposal guarantee in an amount at least equal to five (5) per cent of the total amount of the proposal.

C. H. OVERMAN,
County Engineer
Santa Rosa County, Florida.

Bids: Oct 30.

Southwest Trunk Sewer

Owosso, Mich.

Sealed proposals will be received by the Clerk of the City of Owosso, Michigan, up to 7:30 o'clock p.m. Central Standard Time of the 30th day of October, 1922, for the construction of approximately 4707 lineal feet of combination main drain and main house sewer with manholes, inlets and other appurtenances.

The plans and specifications under which the work is to be done may be examined at the office of the City Clerk, Owosso, Michigan, or at the office of the Engineers Ann Arbor, Michigan, and copies of the plans and specifications may be obtained by making a deposit of five dollars which will be refunded upon their return in good condition.

A certified check for a sum not less than 5 per cent of the amount of the proposal will be required with each proposal.

The right to reject any or all proposals, and the right to waive defects in proposals will be reserved by the City.

B. K. LUCAS, City Clerk.
HOAD, DECKER, SHOECRAFT and DRURY,
Consulting Engineers,
Ann Arbor, Michigan.

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AGENTS EVERYWHERE

OFFICIAL PROPOSALS

Bids: Nov. 9.

School Building

Trenton, N. J.

Sealed proposals for the complete construction of a new Elementary and Intermediate Public School Building will be received by the Board of Education of Trenton, in the county of Mercer, at the meeting room of the board in the Administration Building, No. 9 South Stockton Street, Trenton, New Jersey, at 8:30 o'clock p.m., Eastern Standard Time, on Thursday, the 9th day of November, 1922, at which place and time all bids received will be unsealed and the contents publicly announced. No bids will be received previous to the time designated, and none will be received thereafter.

All bids shall be presented to the board at the place and time mentioned by the parties bidding, or their agents when called for by the president of the board.

Bids for the general construction for the heating and ventilating, for the plumbing, and for the electrical work, will be taken separately.

A certified check for five (5%) per cent of the amount of the bid must accompany each proposal, made payable to the Board of Education of the city of Trenton, to be treated is liquidated damages in case the bidder receiving the award shall fail to execute a contract and furnish the required bond, within ten days after notification of the acceptance of their bid.

The Board of Education reserves the right to reject any or all bids, or to waive defects or informalities in any bid if it be deemed to the interest of the city so to do.

Copies of the plans and specifications will be on file at the office of the secretary of the Board of Education, in the Administration Building, for the purpose of estimating.

A limited number of copies of the plans and specifications will be loaned to the prospective bidders on deposit of a certified check drawn to the order of the Board of Education, Trenton, New Jersey, in the sum of $25.00. These plans and specifications may be obtained by application to the architect, Ernest Sibley, Edgewood Lane and Bluff Road, Palisade, New Jersey, or from Wm. Slack & Son, associate architects, 144 East State Street, Trenton, New Jersey. Deposits will be forfeited unless plans and specifications are returned to the architects within ten days after bids are opened.

(Signed),
ROBERT C. BELLVILLE,
Secretary, for the Board of Education.
City of Trenton, N. J.
Dated Oct. 16, 1922.

Bids: Oct. 30.

Street Improvement

Laurel, Miss.

Sealed proposals will be received by the Mayor and Board of Commissioners of the City of Laurel, Mississippi, until two o'clock P.M., October 30th, 1922, at the office of the City Clerk of said city for constructing approximately:

19,865 sq.yds. brick pav't concrete foundation.
16,160 sq.yds. gravel surfacing.
20,243 lin.ft. combined curb and gutter.
3,000 sq.yds. concrete sidewalk.
1,357 lin.ft. 8-in. sanitary sewer with all appurtenances thereto.

Plans and profiles may be seen, specifications and proposal forms may be obtained at the office of the City Clerk of the City of Laurel.

J. H. PACE,
Street Commissioner.

Bids: Oct. 24.

Stone Bulkhead

Cape May, N. J.

Sealed bids will be received by the Commissioners of the City of Cape May, N. J. until eleven o'clock a.m., October 24, 1922, for providing and placing approximately 1400 tons of stone along Beach Bulkhead.

Specifications and additional information may be obtained from the office of the City Engineer.

Bids must be accompanied by certified check for five per cent of the amount bid.

The Commissioners reserve the right to reject any or all bids.

HARRY W. BELL,
City Engineer.

OFFICIAL PROPOSALS

Bids: Nov. 2.

Wells and Water Main

Nokomis, Ill.

Sealed proposals will be received by the City Council of the City of Nokomis, Illinois, until 7 p.m., Thursday, November 2, 1922, and then publicly opened and read, for furnishing all material and labor for the construction of the following work:

4 Wells, 10 inches in diameter and 40 ft. deep, including screens, suction line, fittings and manholes.

4,300 feet of 8 inch Class B water main with hydrants, valves, etc., complete in place.

Separate bids will be received on the wells and on the mains.

Each proposal must be accompanied by a certified check for not less than 10% of the bid and the successful bidder will be required to furnish a bond for the amount of the contract.

Payment for the work will be made in cash.

Plans and specifications are on file at the office of the City Clerk at Nokomis, Illinois, or they may be obtained from the Engineers, Taylor & Woltmann, 428 Unity Bldg., Bloomington, Illinois. A charge of $3.00 will be made for each set.

The right is reserved to reject any or all bids.

FRANK KROEGER, JR.,
Mayor.
WM. BOTE,
City Clerk.

Contractors Everywhere Read These Advertisements

to see where bids are desired on contracts suited to their available plant and organization. The suggestion is therefore made to advertisers that they word their advertisements so that the contractor will get a good idea of the size and kind of work to be let, and perhaps the plant needed. This should result in an increased number of desirable bidders.

U. S. GOVERNMENT

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Oct. 6, 1922.—Sealed proposals will be opened in this office at 3 P.M., Nov. 1, 1922, for construction (including Mechanical Equipment) of a one story laundry building covering 5,130 square feet, for the United States Veterans' Hospital at the Bronx, New York, N. Y., to be completed within four months from award of contract. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms, or corporations possessing satisfactory financial and technical ability, equipment, and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. Before drawings and specifications are forwarded to prospective bidders, applicants must cite at least one specific instance where a record for speed has been established on a job of equivalent magnitude, giving date of award of contract, amount of contract, specified time for completion and date of actual completion. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations. Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, MILWAUKEE, WIS., Sept. 30, 1922. Sealed proposals will be received here until 2 p.m., Nov. 6, 1922, and then opened, for constructing pile pier, removing old timber-crib pier, and dredging at Racine Harbor, Wis. Further information on application.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—Sealed proposals will be received here until 11 a.m., November 6, 1922, and then opened, for construction of three 400-cu.yd. steel dump scows. Further information on application.

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock noon, Oct. 23, 1922, and then opened, for dredging in New Haven Harbor, Conn. Further information on application.

SEALED PROPOSALS, indorsed "Proposals for Refrigerating Equipment, Tupper Lake, N. Y. Specification No. 4720," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., November 15, 1922, and then and there publicly opened, for refrigerating and ice-making equipment, using as refrigerant any satisfactory substance, except ammonia, and consisting of two motor-driven compressors, condensers, liquid receiver, two motor-driven brine pumps, a combination freezing and brine cooling tank with expansion coils, a water-precooler tank with coils, two charcoal filters, brine agitator, water agitating system by compressed air, automatic can filler, hand operated can hoist, automatic can dump and ice chute, ice cans, oil and scale traps, piping and other accessories; and for cold storage rooms with insulation for eight compartments including doors, floors and equipment for the storage and handling of goods in the subsistence building at the U. S. Veterans' Hospital, Tupper Lake, N. Y. Drawings and specification No. 4720 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. R. E. BAKENHUS, Acting Chief of Bureau, October 6, 1922.

SEALED PROPOSALS, indorsed "Proposals for Boiler Plant Equipment and Steam Distribution, Tupper Lake, N. Y.. Specification No. 4719," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., November 15, 1922, and then and there publicly opened, for Mechanical equipment, piping and an outside steam distributing system consisting of brick settings on concrete foundations for 5 water tube boilers, side-feed mechanical stokers with extension furnaces, smoke flue, feed water heater, storage tank, feed water and vacuum pumps, combined twin pump and receiver, drip traps, an incinerator plant equipped with two incinerators and hot water heating and sterilizing equipment and complete piping systems for all equipment; the installation of 5 marine type water tube boilers furnished by the Government, and an outside steam distribution system including condensate and vacuum return lines; all at the U. S. Veterans' Hospital, Tupper Lake, N. Y. Drawings and Specification No. 4719 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $20, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. R. E. BAKENHUS, Acting Chief of Bureau, October 5, 1922.

SEALED PROPOSALS will be received and publicly opened by the Director of the U. S. Veterans Bureau in the office of the Quartermaster General, 2306 Munitions Building, Washington, D. C., at 11:00 A.M., November 14, 1922, for the construction of a 400 bed neuro-psychiatric hospital at Camp Sherman, Chillicothe, Ohio. Work will include construction of twenty-two buildings, built of reinforced concrete and brick, complete with water, lighting, heating and sewer systems, roads and walks. Plans and specifications may be obtained after October 14, upon deposit of $100, from the Quartermaster General, 2312 Munitions Building, Washington, D. C., or from the Constructing Quartermaster, Chillicothe, Ohio. One set of plans and specifications will be on exhibition at each of the following stations: Constructing Quartermaster, 39 Whitehall Street, New York City, Constructing Quartermaster, Scott Field, Belleville, Illinois; Quartermaster Supply Officer, Chicago General Intermediate Depot, 1819 West Pershing Road, Chicago, Illinois.

U. S. GOVERNMENT

SEALED PROPOSALS, indorsed "Proposals for Stack, Tupper Lake, N. Y., Specification No. 4722," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C. until 11 o'clock a.m., November 15, 1922, and then and there publicly opened, for a radial brick stack on a concrete foundation, at the U. S. Veterans' Hospital, Tupper Lake, N Y. Specification No. 4722 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the specification. R. E. BAKENHUS, Acting Chief of Bureau, October 5, 1922.

DEPARTMENT OF THE INTERIOR, UNITED STATES RECLAMATION SERVICE, Washington, D. C., October 9, 1922. Sealed proposals for furnishing two direct pumping units for the Black Canyon Pumping Plant, Boise Project, Idaho, will be received at the office of the United States Reclamation Service, Denver, Colorado, until 2 o'clock p.m., December 6, 1922, and will then be opened. For particulars address the United States Reclamation Service, Washington, D. C., or Denver, Colorado. Morris Bien, Acting Director.

U. S. GOVERNMENT

SEALED PROPOSALS, indorsed "Proposals for Steel Water Tank, Tupper Lake, N. Y., Specification No. 4724," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., November 15, 1922, and then and there publicly opened, for 200,000 gallon steel tank with tower and appurtenances at the U. S. Veterans' Hospital, Tupper Lake, N. Y. Specification No. 4724 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $5, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the specification. R. E. BAKENHUS, Acting Chief of Bureau, October 5, 1922.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Oct. 13, 1922.—Sealed proposals will be received at this office until 3 p.m., Nov. 7, 1922, and then opened for an extension to the building and driveway, at the United States Post Office at San Jose, Calif., in accordance with the specifications and drawings mentioned therein. Copies of which may be had at this or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

U. S. GOVERNMENT

PROPOSALS FOR CONCRETE CAISSON BREAKWATER. — U. S. Engineer Office, Room 1201, 537 South Dearborn Street, Chicago, Illinois.—Sealed proposals for constructing concrete caisson breakwater at Indiana Harbor, Indiana, will be received here until 10 a.m., November 6, 1922, and then opened. Further information on application.

PROPOSAL FOR PIER REMOVAL, ETC.—U. S. Engineer Office, Room 1201, 537 South Dearborn Street, Chicago, Illinois. Sealed proposals for pier removal, dredging, etc., in Calumet Harbor, Illinois, will be received here until 10 a.m., October 24, 1922, and then opened. Further information on application.

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock, noon, Oct. 30, 1922, and then opened for maintenance dredging in Milford Harbor, Conn. Further information on application

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—Sealed proposals will be received here until 11 a.m., October 30, 1922, and then opened for constructing stone-concrete superstructure on breakwater, Buffalo Harbor, N. Y. Further information on application.

EMPLOYMENT

POSITIONS VACANT — POSITIONS WANTED

POSITIONS VACANT

ASSISTANT engineer wanted, experienced in survey work. Must be a good draughtsman, college graduate preferred. Salary $150.00 per month. State experience, when available and give references. P-138, Eng. Nws-Record.

ESTIMATOR. Well established Cleveland Construction Co. expanding their operations have an opening for an experienced estimator familiar with general contracting, should be in position to make small investment with services. Opportunity for ambitious man to get started in his own business and in short time work into worthwhile income. P-149, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

EXPERIENCED estimator wanted, fully acquainted with taking off quantities for all types of buildings. Reinforced concrete especially. State experience and salary expected. Information confidential. P-137, Eng. News-Record.

DRAFTSMEN, experienced, wanted for structural steel buildings; apply by mail only, giving age, nationality, education, experience and salary expected. Post & McCord, 101 Park Ave., New York.

DRAFTSMEN, experienced on bridge, structural or reinforced concrete, give details, experience, education and salary desired. P-111, Eng. News-Record.

DRAFTSMAN, must be expert letterer for general drawing and map work in office of consulting engineer of large railroad system. Apply by letter stating nationality, age, education, experience and salary desired. P-132, Eng. News-Record.

POSITIONS VACANT

FIRST class structural steel detailers and checkers with experience on mill buildings, office buildings, etc. Position in Pittsburgh district. State experience and salary desired. P-525, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

FOREMAN wanted, experienced on sewer and rock work, one who can produce results and is not afraid of work; no other need apply. State age, salary expected and experience in first letter. Position open now. R. F. Relly Contracting Co., Brownville, N. Y.

ORNAMENTAL iron draftsman, familiar with the designing and detailing of all kinds of ornamental and miscellaneous iron work for buildings. Apply by letter, stating experience, references and salary desired, to James McKinney & Son, 925 Broadway, Albany, N. Y.

SALES engineer; headquarters probably New York City; salary and travelling expenses; preferably one having had sewer design and construction experience. State experience and salary desired. P-115, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

POSITIONS VACANT

SALES engineer to represent well-known manufacturer of material handling machinery in Chicago district. Products consist of wagon loaders, portable belt conveyors, clamshell buckets and water front and railroad unloading machinery; commission arrangement desired. State experience, age and qualifications. P-116, Eng. News-Record.

STRUCTURAL steel detailers for buildings and bridges and general structural work. Must be able to produce results. State in application, age, nationality, education, experience, salary expected, date available. Pittsburgh District. P-135, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

STRUCTURAL engineer wanted at once to take charge of structural department of 15 to 25 men in architects office. Must have had wide experience in architectural engineering including designing and checking of all types of steel and concrete structures as well as executive direction of staff. Location Detroit, Michigan. State full details including salary requirements in first letter. P-134, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

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